



Elettronica Rossoni

INDUSTRIAL
ELECTRONICS

CONSUMER
ELECTRONICS

AUTOMATION
TECHNOLOGY

COMMUNICATION
& ENTERTAINMENT
ELECTRONICS

Switch Power Safety Transformers Series
Designed for
SmartPower controller family

LIGHTING
TECHNOLOGY



Elettronica Rossoni

Elettronica Rossoni Switch Power Safety Transformers Series Smart Power Series

Plug & Play

With over 40 years of experience we have created a standard transformer solutions for Switching-Mode Power Supply control IC's. All of our designs meet following safety and performance criteria and are in active production fulfilling many applications.

Safety Standards EN 60065

EN 60950

EN 60335

EN 61558

Important notes for any design

Performance

Because a poorly designed transformer will produce an inefficient and low performing power supply even with the best switching technology.

Transformer is one of the most complex part of Switching-Mode Power Supply.

Switch Power Safety Transformers Series have been develop for support you.

Safety

Because the transformer provides the main safety isolation barrier between lethal voltage and the end user. Having the correct and safe construction of an isolating transformer is vital.

EN safety standards require great detail on the specification of wound components. The qualification and design of safety rated parts are often difficult and time consuming.

Switch Power Safety Transformers Series have been develop for support you.

Reliability

Because variations in tolerance or quality can lead to expensive over design and field failure. Using standard product is vital.

Switch Power Safety Transformers Series have been develop for support you



Providing SOLUTION is our APTITUDE

Safety

- Integrated Safety Margin
- 3.75kV Primary to Secondary Isolation as Standard
- All parts use UL listed Materials
- Using TIW (UL E332887; VDE 40032774)
- Complies with EN Safety Standards

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Performance

- Low Loss Ferrite Material
- Low Leakage Inductance
- Low Inter-winding capacitance
- Improved EMC performance

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Reliability

- 100% Test
- Triple Insulated Wire On All Parts
- Automated Production Process

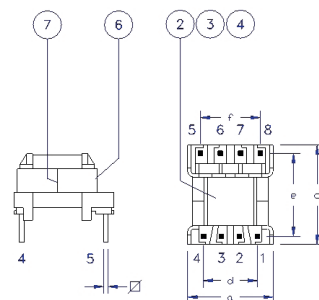
Switch Power Safety Transformers Series have been develop for support you.



Simple To Design With

- Samples always available
- Clear and complete specification
- 50 piece pack sizes for prototyping
- Technical support

Switch Power Safety Transformers Series have been develop for support you.



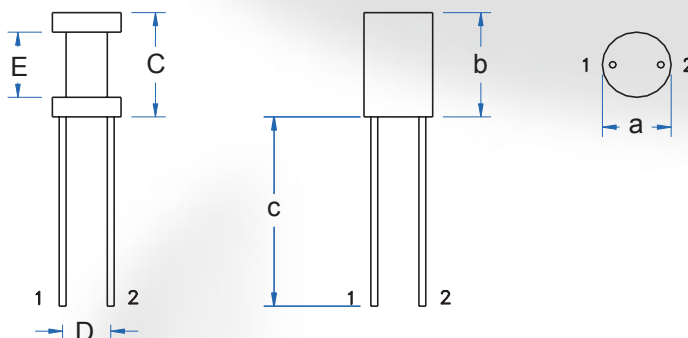
Inductor Non Isolated AC-DC from 2W to 4W

For Use With LNK302/4/5/6

POWER	Vin	Vout	INDUCTANCE	IC	CORE SHAPE	STAMP CODE	PART NUMBER
2W	85-265VAC	5-15V/110mA	1mH	LNK302/4	Drum06	/	DR0610-102K
2W	85-265VAC	5-15V/90mA	1.5mH	LNK302/4	Drum06	/	DR0610-152K
2W	85-265VAC	5-15V/80mA	2.2mH	LNK302/4	Drum06	ER2778	DR0610-222K
2W	85-265VAC	5-15V/60mA	3.3mH	LNK302/4	Drum06	/	DR0610-332K
4W	85-265VAC	5-15V/380mA	0.68mH	LNK302/4/5/6	Drum08	/	DR0810-681K
4W	85-265VAC	5-15V/290mA	1mH	LNK302/4/5/6	Drum08	ER0318	DR0810-102K
4W	85-265VAC	5-15V/280mA	1.2mH	LNK302/4/5/6	Drum08	/	DR0810-122K
4W	85-265VAC	5-15V/150mA	1.5mH	LNK302/4/5/6	Drum08	/	DR0810-152K
4W	85-265VAC	5-15V/350mA	2.2mH	LNK302/4/5/6	Drum 10	/	DR1012-222K

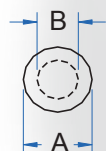
Drum06

a	= 7.0	MAX
b	= 9.5	MAX
c	= 10.0	min
A	= 6.0	±0,2
B	= 2.5	±0,15
C	= 8.3	±0,3
D	= 3.0	ref
E	= 4.0	±0,15



Drum08

a	= 9.0	MAX
b	= 11.5	MAX
c	= 15.0	min
A	= 8.0	±0,2
B	= 4.5	±0,5
C	= 10.0	±0,3
D	= 5.0	ref
E	= 5.50	±0,2



Drum10

a	= 13.0	MAX
b	= 18.0	MAX
c	= 15.0	min
A	= 10.0	±0,3
B	= 5.5	±0,2
C	= 16.0	±0,6
D	= 4.5	ref
E	= 10.0	±0,4

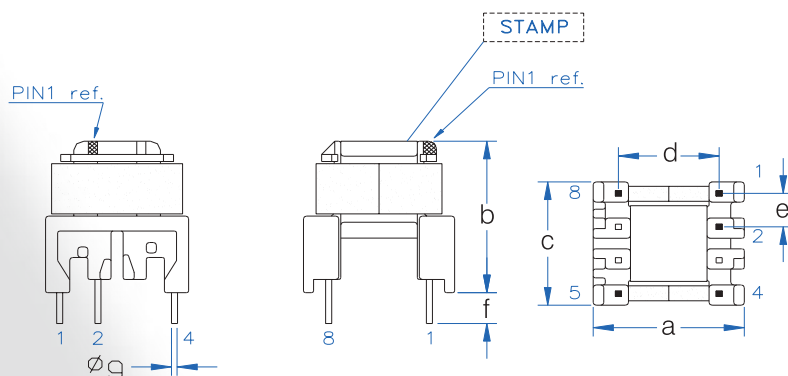
Transformers AC-DC from 2.8W to 4.5W

EE1312 CORE SHAPE

For Use With LNK363/500/501/520/562/563/564&TNY263/264

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
2.8W	85-265VAC	5-7V/0.75A	/	LNK362	EE1312	/	ERFT17-01	E0808
2.8W	85-265VAC	9-12V/0.3A	/	LNK362	EE1312	/	ERFT17-02	E0808
2.8W	85-265VAC	13.7V/0.3A	/	LNK362	EE1312	/	ERFT17-03	E0808
2.8W	85-265VAC	15-18V/0.9A	/	LNK362	EE1312	/	ERFT17-04	E0808
3W	85-265VAC	5-6V/0.75A	/	LNK520	EE1312	/	ERFT17-00	E0808
3W	85-265VAC	12V/0.25A	/	TNY263	EE1312	/	ERFT17-14	E0808
3W	85-265VAC	24V/0.125A	/	TNY263	EE1312	/	ERFT17-15	E0808
3W	85-265VAC	24V/0.125A	/	LNK520	EE1312	/	ERFT17-22	E0808
3W	85-265VAC	5-7V/0.75A	/	LNK562/3/4	EE1312	/	ERFT17-23	E0808
3W	85-265VAC	12-14V/0.2A	/	LNK562/3/4	EE1312	/	ERFT17-24	E0808
4W	85-265VAC	3-4V/1A	/	LNK500/1	EE1312	ER2863	ERFT17-05	E0808
4W	85-265VAC	5-6V/0.75A	/	LNK500/1	EE1312	ER2815	ERFT17-06	E0808
4W	85-265VAC	11-12V/0.3A	/	LNK500/1	EE1312	ER2855	ERFT17-07	E0808
4W	85-265VAC	14-15V/0.2A	/	LNK500/1	EE1312	ER2864	ERFT17-08	E0808
4W	85-265VAC	24V/0.15A	/	LNK500/1	EE1312	ER2866	ERFT17-09	E0808
4W	85-265VAC	12V/0.3A	24V/0.15A	LNK500/1	EE1312	/	ERFT17-10	E0808
4W	195-265VAC	15V/0.13A	24V/0.1A	TNY263/4	EE1312	/	ERFT17-11	E0808
4W	195-265VAC	18V/0.3A	/	TNY263/4	EE1312	/	ERFT17-12	E0808
4W	195-265VAC	5V-6V/0.6A	/	TNY263/4	EE1312	/	ERFT17-13	E0808
4W	85-265VAC	5-6V/0.75A	/	LNK520	EE1312	/	ERFT17-20	E0808
4W	85-265VAC	10-12V/0.3A	/	LNK520	EE1312	/	ERFT17-21	E0808
4.5W	85-265VAC	5-7V/0.4A	/	LNK363	EE1312	/	ERFT17-16	E0808
4.5W	85-265VAC	9-12V/0.7A	/	LNK363	EE1312	/	ERFT17-17	E0808
4.5W	85-265VAC	13.7V/0.7A	/	LNK363	EE1312	/	ERFT17-18	E0808
4.5W	85-265VAC	15-18V/0.25A	/	LNK363	EE1312	/	ERFT17-19	E0808

EE1312		
a	= 16.0	MAX
b	= 18.0	MAX
c	= 14.5	MAX
d	= 10.0	±0,3
e	= 3,8	±0,3
f	= 3,5	min
g	= 0,60	±0,05



Transformers AC-DC from 1.5W to 9W

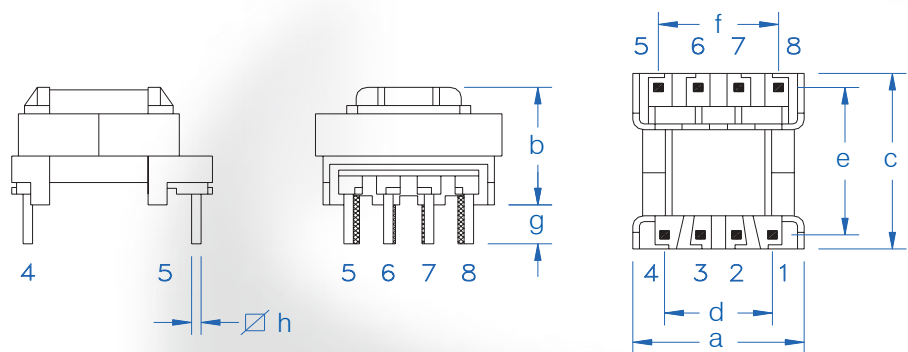
EE1616 CORE SHAPE

For Use With LNK364/500/501&TNY263/264/265/266/267/274/275/276/277

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
1.5W	85-265VAC	6V/0.1A	6V/0.1A	TNY263	EE1616	/	ERFT24-12	EE0808
3W	85-265VAC	6V/0.5A	/	TNY263/4	EE1616	/	ERFT24-03	EE0808
3W	85-265VAC	15V/0.2A	/	TNY263	EE1616	/	ERFT24-06	EE0808
3W	85-265VAC	24V/0.12A	/	TNY263/4	EE1616	/	ERFT24-07	EE0808
3W	85-265VAC	6V/0.25A	6V/0.25A	TNY263/4	EE1616	ER2810	ERFT24-13	EE0808
4W	85-265VAC	3-4V/1A	/	LNK500/1	EE1616	/	ERFT24-01	EE0808
4W	85-265VAC	5-6V/0.75A	/	LNK500/1	EE1616	/	ERFT24-02	EE0808
4W	85-265VAC	10-12V/0.3A	/	LNK500/1	EE1616	/	ERFT24-04	EE0808
4W	85-265VAC	14-15V/0.2A	/	LNK500/1	EE1616	/	ERFT24-05	EE0808
6W	85-265VAC	5-7V/0.4A	/	LNK364	EE1616	/	ERFT24-08	EE0808
6W	85-265VAC	9-12V/0.7A	/	LNK364	EE1616	/	ERFT24-09	EE0808
6W	85-265VAC	13.7V/0.7A	/	LNK364	EE1616	/	ERFT24-10	EE0808
6W	85-265VAC	15-18V/0.33A	/	LNK364	EE1616	/	ERFT24-11	EE0808
6W	85-265VAC	12V/0.25A	12V/0.25A	TNY263/4	EE1616	ER2753	ERFT24-14	EE0808
6W	85-265VAC	6V/0.5A	6V/0.25A	TNY265/6/274	EE1616	ER2802	ERFT24-15	EE0808
6W	85-265VAC	12V/0.25A	12V/0.25A	TNY265	EE1616	ER2800	ERFT24-16	EE0808
8W	85-265VAC	5-7V/1.2A	/	TNY275/6/7	EE1616	/	ERFT24-19	EE1313
8W	85-265VAC	8-12V/0.8A	/	TNY275/6/7	EE1616	/	ERFT24-20	EE1313
8W	85-265VAC	12-15V/0.6A	/	TNY275/6/7	EE1616	/	ERFT24-21	EE1313
8W	85-265VAC	28V/0.28A	/	TNY275/6/7	EE1616	/	ERFT24-22	EE1313
9W	85-265VAC	6V/0.75A	6V/0.75A	TNY267	EE1616	ER2741	ERFT24-17	EE1313
9W	85-265VAC	12V/0.4A	5V/0.9A	TNY267	EE1616	/	ERFT24-00	EE1313
9W	85-265VAC	12V/0.36A	12V/0.36A	TNY267	EE1616	ER2752	ERFT24-18	EE1313

EE1616

a	=	19.0	MAX
b	=	14.5	MAX
c	=	22.5	MAX
d	=	11.4	±0,5
e	=	17,8	±0,5
f	=	12,7	±0,1
g	=	3,5	±0,5
h	=	0.5	±0,05



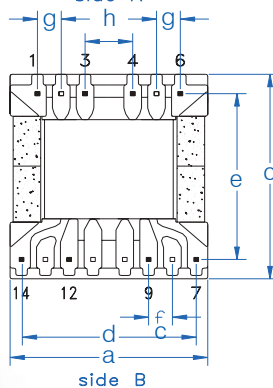
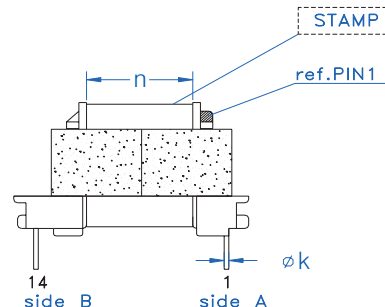
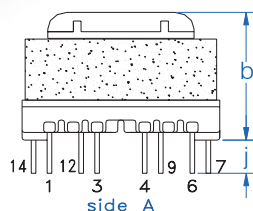
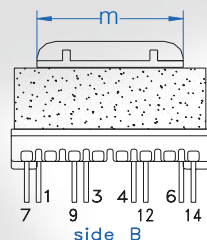
Transformers AC-DC from 14W to 22W

EE2020 CORE SHAPE

For Use With LNK364/500/501&TNY263/264/265/266/267/274/275/276/277

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
14W	85-265VAC	5V/0.8A	24V/0.4A	TNY267	EE2020	ER2793	ERFT14-09	EE1313
18W	85-265VAC	6V/1.5A	6V/1.5A	TNY279	EE2020	/	ERFT14-00	EE1313
18W	85-265VAC	6V/1.25A	6V/1.25A	TNY279	EE2020	/	ERFT14-02	EE1313
18W	195-265VAC	6V/1.5A	6V/1.5A	TNY268	EE2020	ER2742	ERFT14-05	EE1313
18W	195-265VAC	12V/0.75A	12V/0.75A	TNY268	EE2020	ER2758	ERFT14-06	EE1313
18W	195-265VAC	24V/0.5A	6V/1A	TNY268	EE2020	/	ERFT14-07	EE1313
18W	195-265VAC	18V/0.5A	18V/0.5A	TNY268	EE2020	ER2867	ERFT14-08	EE1313
22W	195-265VAC	5V/0.8A	24V/0.8A	TOP242/3	EE2020	ER2820	ERFT14-01	EE1616
22W	195-265VAC	5-6V/3.6A	12V/1.8A	TOP242/3	EE2020	ER2819	ERFT14-03	EE1616
22W	195-265VAC	5V/0.25A	12V/1.2A	TOP242/3	EE2020	/	ERFT14-04	EE1616
22W	195-265VAC	12V/0.9A	12V/0.9A	TOP242/3	EE2020	ER2821	ERFT14-10	EE1616

EE2020		
a	= 21.5	MAX
b	= 15.4	±0,2
c	= 25,1	MAX
d	= 17.5	±0,3
e	= 20,0	±0,3
f	= 2,5	±0,1
g	= 2,5	±0,1
h	= 5,0	±0,2
i	= 4,0	min
l	= 0,6x0,6	±0,05
m	= 15,5	±0,2
n	= 12,0	±0,2



Transformers AC-DC from 28W to 45W

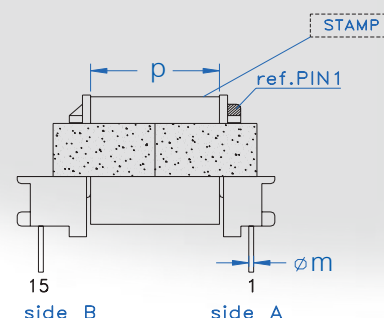
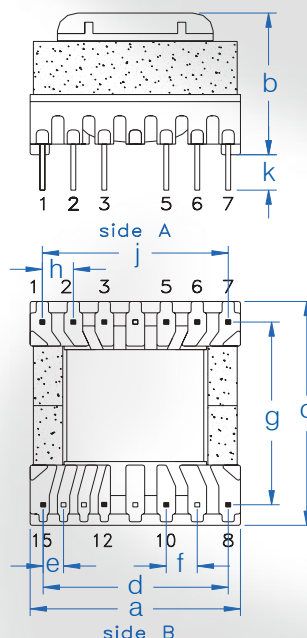
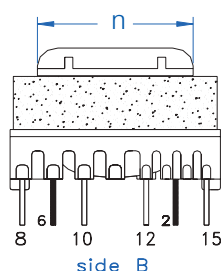
EE2525 CORE SHAPE

For Use With TOP244/245 & TNY280

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
28W	85-265VAC	6V/2.1A	6V/2.1A	TNY280	EE2525	/	ERFT25-00	EE1616
28W	85-265VAC	13.8V/1A	13.8V/1A	TNY280	EE2525	ER2872	ERFT25-01	EE1616
28W	195-265VAC	12-14V/1A	12-14V/1A	TOP244	EE2525	ER2847	ERFT25-02	EE1616
34W	195-265VAC	24V/1.0A	5V/2.5A	TOP244	EE2525	/	ERFT25-03	EE1616
34W	195-265VAC	5V/2.5A	12V/1.8A	TOP244	EE2525	ER2875	ERFT25-04	EE1616
45W	195-265VAC	30V/0.75A	30V/0.75A	TOP245	EE2525	ER2887	ERFT25-05	EE1616
45W	195-265VAC	12V/1.9A	12V/1.9A	TOP245	EE2525	/	ERFT25-06	EE1616

EE2525

a	=	26.5	MAX
b	=	21.0	MAX
c	=	32.0	MAX
d	=	22.7	±0,3
e	=	3x2,5	±0,1
f	=	4x3,8	±0,3
g	=	25,8	±0,3
h	=	3,8	±0,1
i	=	22,8	±0,3
l	=	3,5	min
m	=	0,5x0,5	±0,05
n	=	17,1	±0,3
o	=	15,8	±0,2



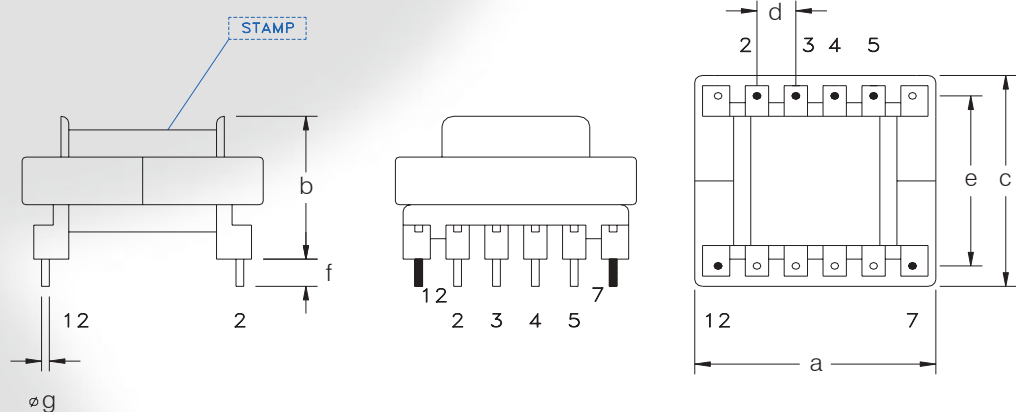
Transformers AC-DC from 50W to 56W

EE3030 CORE SHAPE

For Use With TOP246/247

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
50W	195-265VAC	5V/2.5A	24V/1.5A	TOP246	EE3030	ER2848	ERFT16-00	EE2020
56W	195-265VAC	28V/2A	/	TOP247	EE3030	ER2849	ERFT16-01	EE2020
50W	195-265VAC	4V/3.5A	/	TOP247	EE3030	/	ERFT16-02	EE2020

EE3030		
a	= 31.5	MAX
b	= 21.0	MAX
c	= 31.0	MAX
d	= 5.0	±0,3
e	= 25.0	±0,5
f	= 4.0	min
g	= 0.60	±0,05



Transformers AC-DC from 68W to 96W

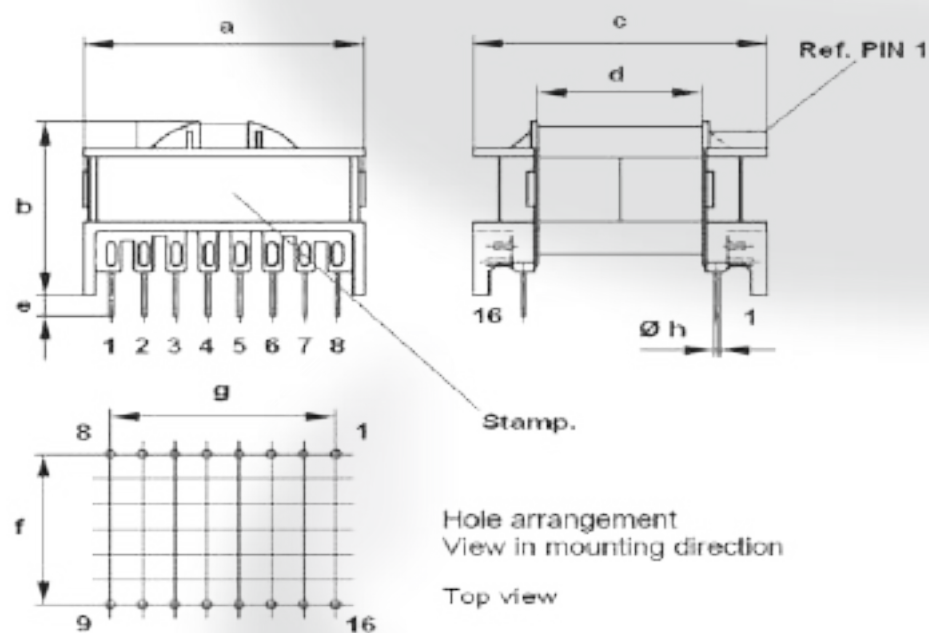
ETD3940 CORE SHAPE

For Use With TOP244/245 & TNY280

POWER	V _{in}	V _{out1}	V _{out2}	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
96W	195-265VAC	27-30V/3.2A	/	TOP247	ETD3940	ER2890	ERFT39-00	EE2020
68W	195-265VAC	13-15V/4.5A	/	TOP247	ETD3940	/	ERFT39-01	EE2020
96W	195-265VAC	24V/4A	/	TOP247	ETD3940	/	ERFT39-02	EE2020

ETD3940

a	=	44.6	MAX
b	=	36.0	MAX
c	=	44.2	MAX
d	=	25.7	min
e	=	4.0	min
f	=	30.45	±0,05
g	=	7x4,95	±0,05
h	=	1.0	±0,03



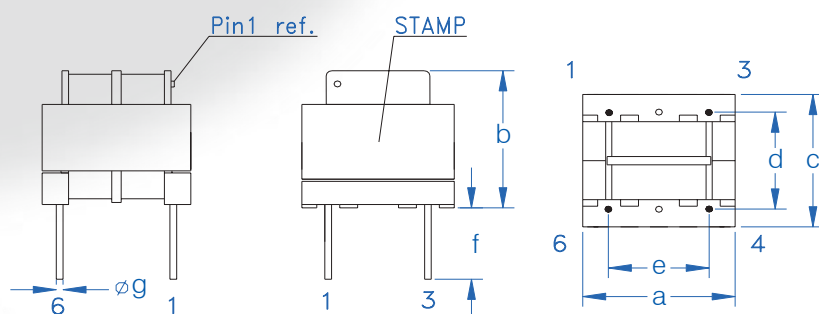
Common Mode from 0,25A to 0,4A

EE0808 CORE SHAPE

For Use With EE1313 & EE1616 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,40A	4,7mH	85-265VAC	EE0808	/	ERCD26-02
0,35A	7mH	85-265VAC	EE0808	/	ERCD26-01
0,25A	9mH	85-265VAC	EE0808	ER2416	ERCD26-00

EE0808		
a	=	10 MAX
b	=	8.7 MAX
c	=	9 MAX
d	=	6.7 ±0,2
e	=	5.0 ±0,2
f	=	3 ±0,5
g	=	0.5 ±0,05



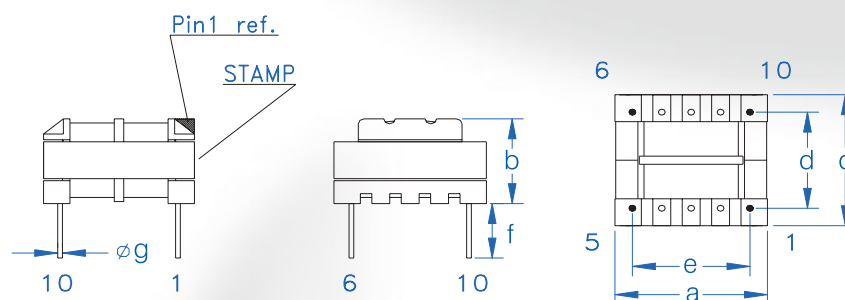
Common Mode from 0,24A to 0,54A

EE1313 CORE SHAPE

For Use With EE1616 & EE2020 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,54A	12mH	85-265VAC	EE1313	ER2756	ERCD18-00
0,28A	22mH	85-265VAC	EE1313	ER2755	ERCD18-01
0,26A	27mH	85-265VAC	EE1313	/	ERCD18-02
0,24A	33mH	85-265VAC	EE1313	ER2822	ERCD18-03

EE1313	
a	= 13,5 MAX
b	= 10,5 MAX
c	= 14,0 MAX
d	= 10,3 ±0,2
e	= 10,0 ±0,2
f	= 3,5 ±0,5
g	= 0,6 ±0,05



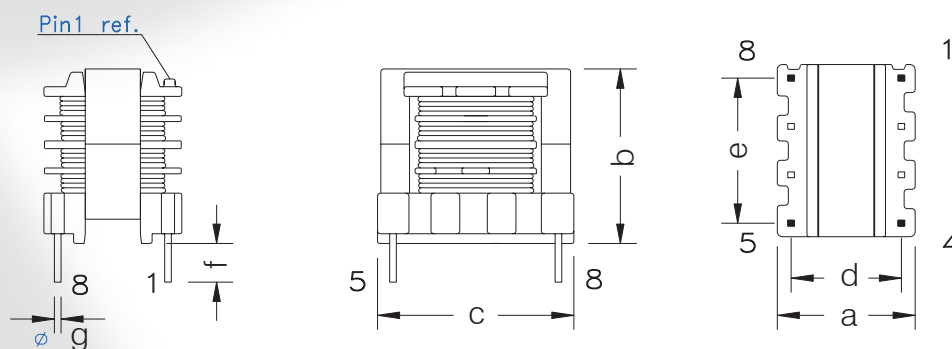
Common Mode from 0,5A to 0,6A

EE1616 CORE SHAPE

For Use With EE2020 & EEEE2525 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,6A	15mH	85-265VAC	EE1616V	/	ERCD24-00
0,5A	27mH	85-265VAC	EE1616V	ER2754	ERCD24-01

EE1616V	
a	= 13.0 MAX
b	= 18.5 MAX
c	= 18.0 MAX
d	= 10.0 ±0,3
e	= 15.0 ±0,3
f	= 3.0 min
g	= 0,6x0,6 ±0,05



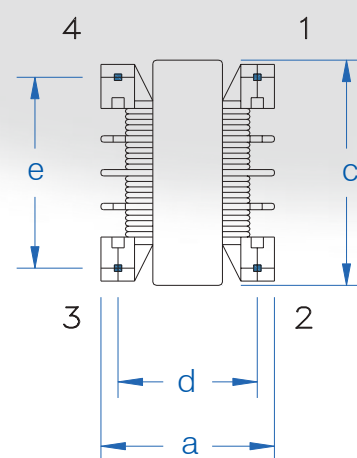
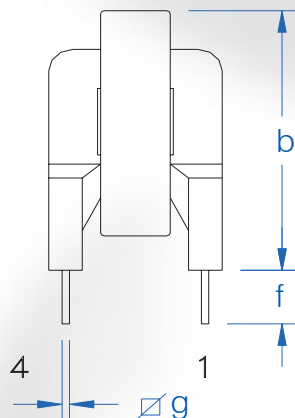
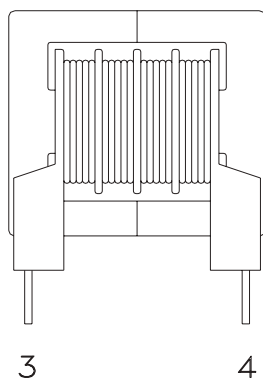
Common Mode from 0,25A to 1,5A

EE1616 CORE SHAPE

For Use With EE3030 & ETD3940 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
1,5A	5mH	85-265VAC	EE2020	/	ERCD24-00
0,8A	22mH	85-265VAC	EE2020	/	ERCD24-01
0,25A	100mH	85-265VAC	EE2020	ER1875-02	ERCD24-02

EE1616	
a	= 14.3 MAX
b	= 15.3 MAX
c	= 16.3 MAX
d	= 17.3 ±0,3
e	= 18.3 ±0,3
f	= 19.3 min
g	= 20.3 ±0,05



Differential Mode from 0,66A to 1,5A

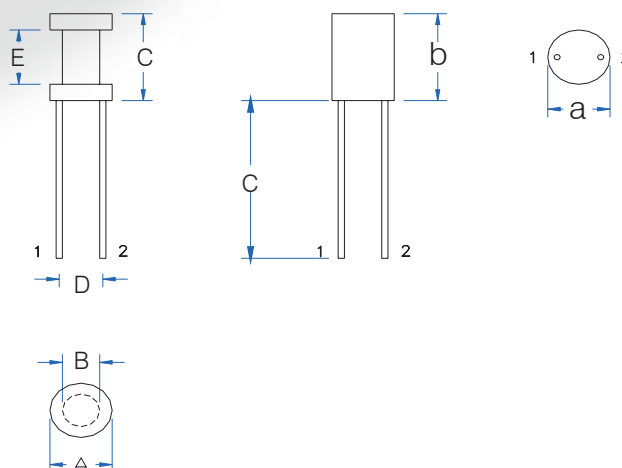
Drum8 & DRUM9 CORE SHAPE

For Use With Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,66A	330 μ H	85-265VAC	Drum08	/	DR0810-332K
0,78A	220 μ H	85-265VAC	Drum08	/	DR0810-222K
1,1A	100 μ H	85-265VAC	Drum08	/	DR0810-101K
1,5A	56 μ H	85-265VAC	Drum09	/	DR0810-561K

Drum 8

a	= 9.0	MAX
b	= 11.5	MAX
c	= 15.0	min
A	= 8.0	$\pm 0,2$
B	= 4.5	$\pm 0,5$
C	= 10.0	$\pm 0,3$
D	= 5.0	ref
E	= 5.50	$\pm 0,2$



Drum 9

a	= 11.5	MAX
b	= 14.5	MAX
c	= 5.0	+1/-0
A	= 9	+0.1/-0.3
B	= 3.9	$\pm 0,1$
C	= 12.0	$\pm 0,4$
D	= 5.0	$\pm 0,5$
E	= 7.0	$\pm 0,15$

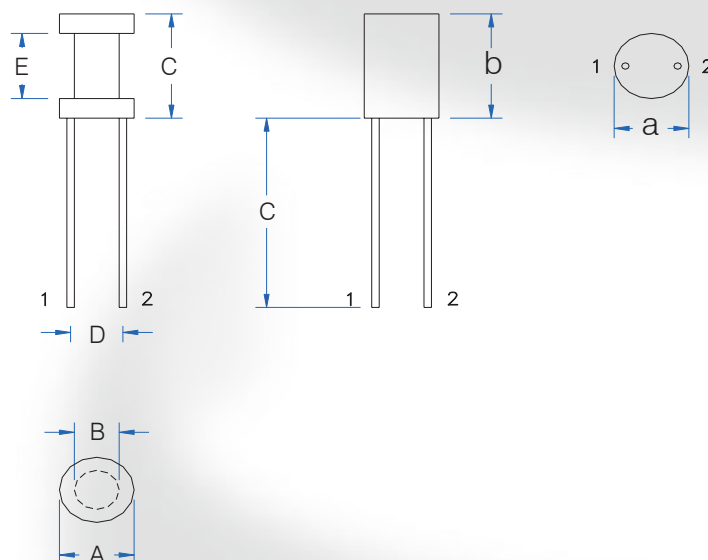
Output Inductors from Drum8 & Drum10 CORE SHAPE

For Use With Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
3,8A	10 μ H	0-60VDC	Drum08	/	DR0810-100K
4,3A	6.8 μ H	0-60VDC	Drum08	ER2777	DR0810-6R8M
5.1	4.7 μ H	0-60VDC	Drum08	/	DR0810-4R7M
5.8	3.3 μ H	0-60VDC	Drum08	/	DR0810-3R3M
8,3A	4.7 μ H	0-60VDC	Drum10	/	DR1012-4R7M

Drum 8	
a	= 9.0 MAX
b	= 11.5 MAX
c	= 15.0 min
A	= 8.0 $\pm 0,2$
B	= 4.5 $\pm 0,5$
C	= 10.0 $\pm 0,3$
D	= 5.0 ref
E	= 5.50 $\pm 0,2$

Drum 10	
a	= 13.0 MAX
b	= 18.0 MAX
c	= 15.0 min
A	= 10.0 $\pm 0,3$
B	= 5.5 $\pm 0,2$
C	= 16.0 $\pm 0,6$
D	= 4.5 ref
E	= 10.0 $\pm 0,4$



Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

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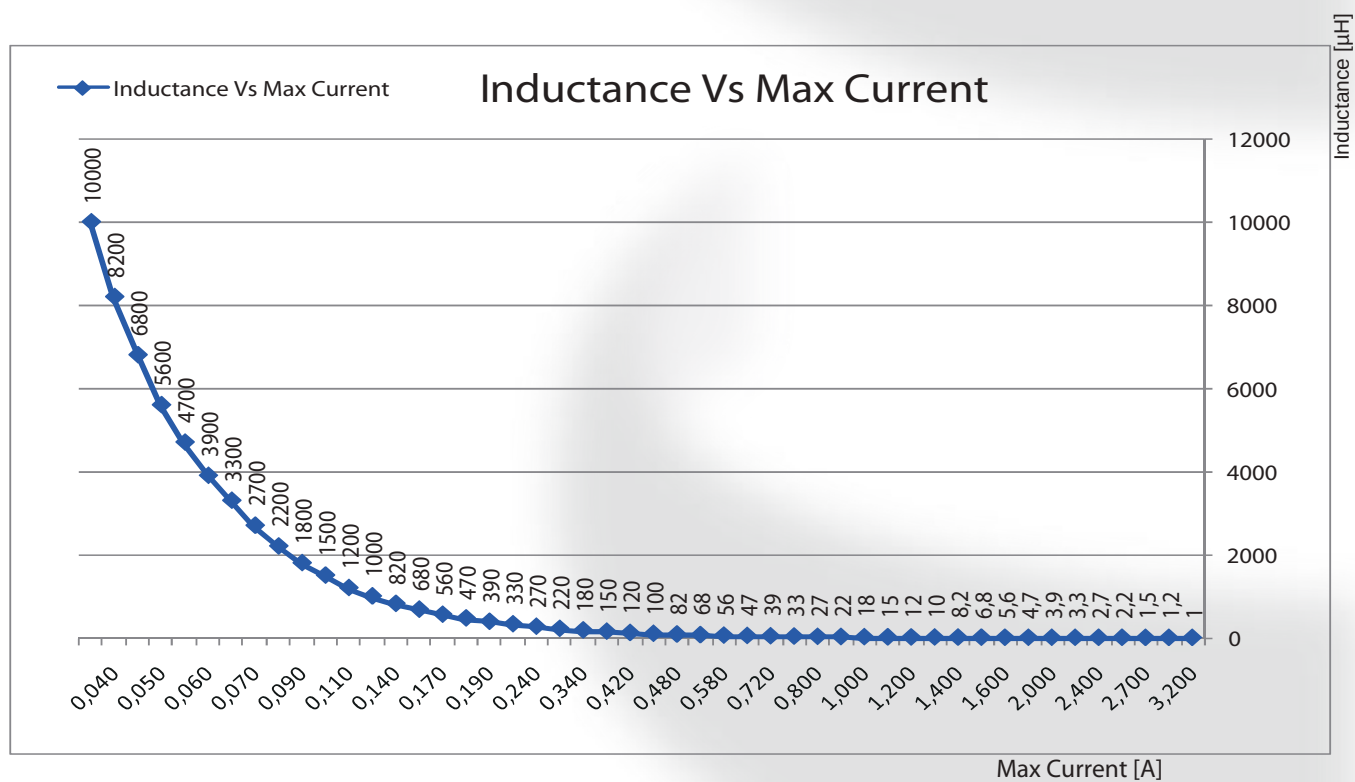
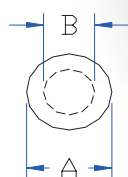
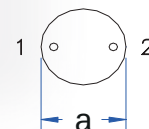
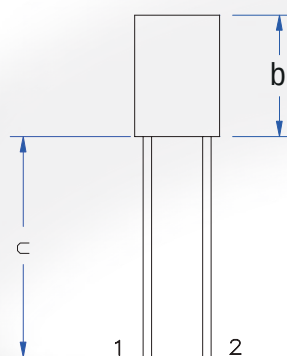
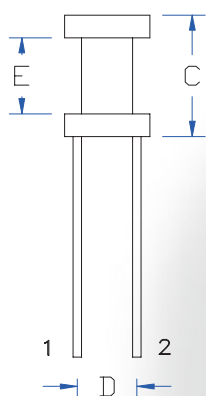
POWER INDUCTORS DR SERIE

**LIGHTING
TECHNOLOGY**



DR0405 SERIES

DR0405	
a	= 5,0 MAX
b	= 6,0 MAX
c	= 15,0 min
A	= 4,0 ±0,15
B	= 2,0 ±0,15
C	= 5,5 ±0,3
D	= 1,76 ref
E	= 2,30 ±0,15



DR0405 SERIES

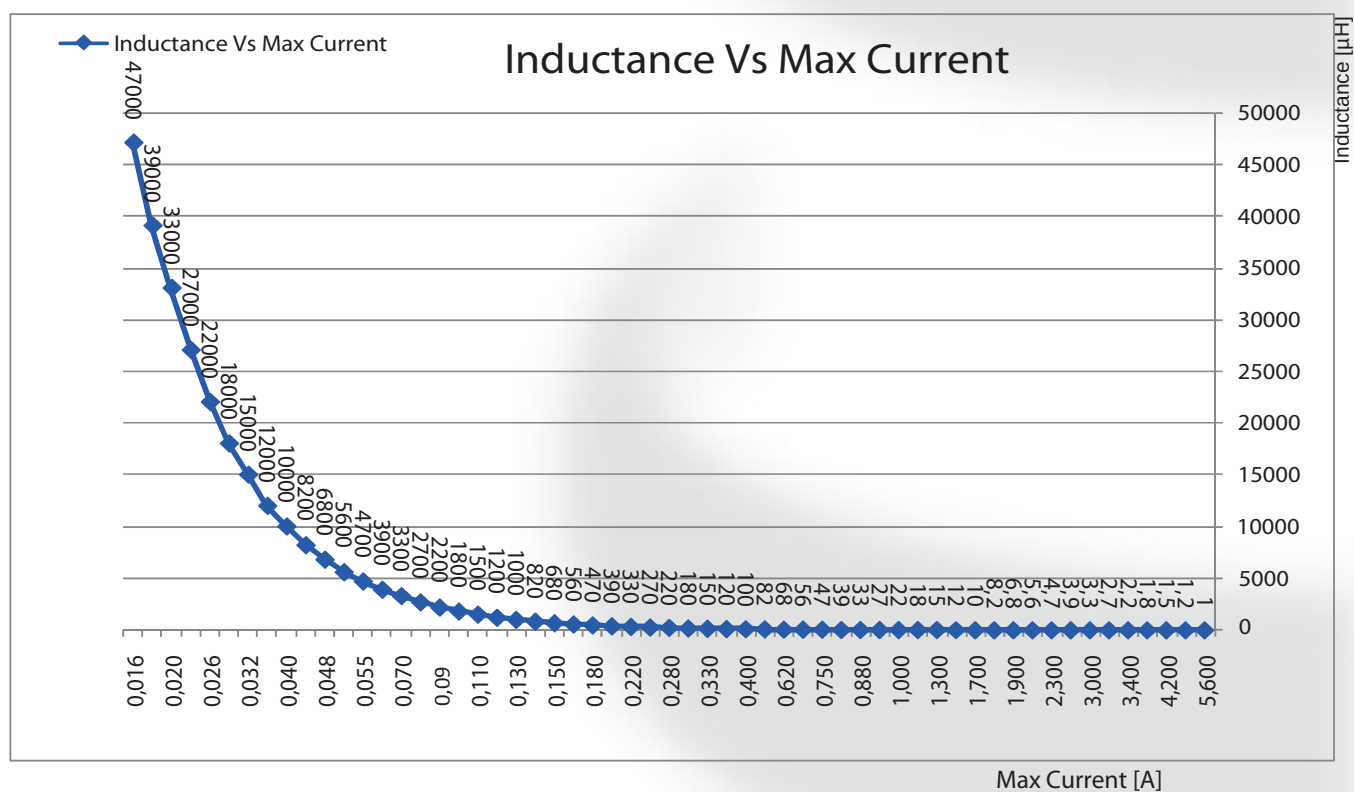
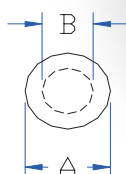
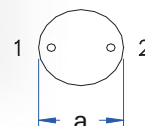
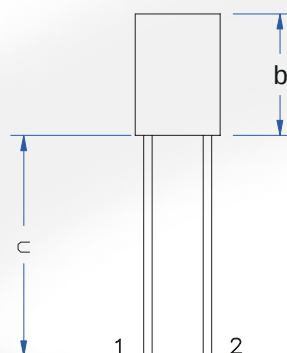
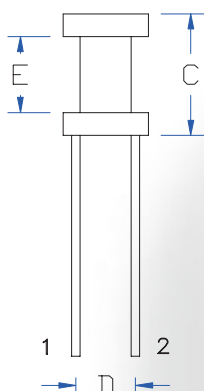
Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0405-1R0M	1	20%	20	0,0306	210	4,4	3,2
DR0405-1R2M	1,2	20%		0,0342	180	4,1	3
DR0405-1R5M	1,5	20%		0,0384	154	3,8	2,7
DR0405-2R2M	2,2	20%		0,0436	125	3,4	2,5
DR0405-2R7M	2,7	20%		0,0476	100	3	2,4
DR0405-3R3M	3,3	20%		0,0576	63	2,6	2,1
DR0405-3R9M	3,9	20%		0,0735	58	2,4	2
DR0405-4R7M	4,7	20%		0,0787	48	2,2	1,7
DR0405-5R6M	5,6	20%		0,0845	40	2,1	1,6
DR0405-6R8M	6,8	20%		0,097	35	1,9	1,5
DR0405-8R2M	8,2	10%	35	0,11	34	1,7	1,4
DR0405-100K	10	10%		0,13	31	1,6	1,3
DR0405-120K	12	10%	29	0,14	26	1,4	1,2
DR0405-150K	15	10%		0,18	25	1,3	1,1
DR0405-180K	18	10%		0,19	23	1,2	1
DR0405-220K	22	10%	25	0,21	21	1,1	0,92
DR0405-270K	27	10%		0,30	18	0,98	0,8
DR0405-330K	33	10%		0,35	16	0,88	0,76
DR0405-390K	39	10%		0,41	14	0,8	0,72
DR0405-470K	47	10%	23	0,46	13	0,74	0,64
DR0405-560K	56	10%		0,58	11	0,65	0,58
DR0405-680K	68	10%		0,64	10	0,6	0,52
DR0405-820K	82	10%	33	0,78	9,6	0,56	0,48
DR0405-101K	100	10%		0,90	8,67	0,5	0,46
DR0405-121K	120	10%		1,15	7,65	0,45	0,42
DR0405-151K	150	10%		1,22	7,1	0,42	0,38
DR0405-181K	180	10%	50	1,56	6,83	0,38	0,34
DR0405-221K	220	10%		2,04	6,07	0,34	0,28
DR0405-271K	270	10%	65	2,65	5,03	0,3	0,24
DR0405-331K	330	10%		3,48	4,58	0,27	0,22
DR0405-391K	390	10%		3,84	4,32	0,25	0,19
DR0405-471K	470	10%		5,05	3,68	0,23	0,18
DR0405-561K	560	10%		5,64	3,37	0,22	0,17
DR0405-681K	680	10%	72	6,24	3,13	0,19	0,15
DR0405-821K	820	10%		9,24	2,85	0,18	0,14
DR0405-102K	1000	10%		10,06	2,55	0,16	0,12
DR0405-122K	1200	10%		11,08	2,25	0,14	0,11
DR0405-152K	1500	10%		16,06	2,09	0,13	0,1
DR0405-182K	1800	10%		18,06	1,95	0,12	0,09
DR0405-222K	2200	10%		21,04	1,81	0,11	0,08
DR0405-272K	2700	10%		31,2	1,49	0,1	0,07
DR0405-332K	3300	10%		36,0	1,4	0,09	0,065
DR0405-392K	3900	10%		39,7	1,3	0,08	0,06
DR0405-472K	4700	10%	65	61,2	1,05	0,075	0,055
DR0405-562K	5600	10%		68,4	0,98	0,065	0,05
DR0405-682K	6800	10%		78,1	0,93	0,06	0,045
DR0405-822K	8200	10%		89,5	0,86	0,055	0,04
DR0405-103K	10000	10%	33	100	0,8	0,05	0,035

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0507 SERIES

DR0507		
a	= 6,0	MAX
b	= 8,0	MAX
c	= 15,0	min
A	= 5,0	±0,20
B	= 2,0	±0,15
C	= 7,0	±0,3
D	= 2,50	ref
E	= 3,00	±0,15



DR0507 SERIES

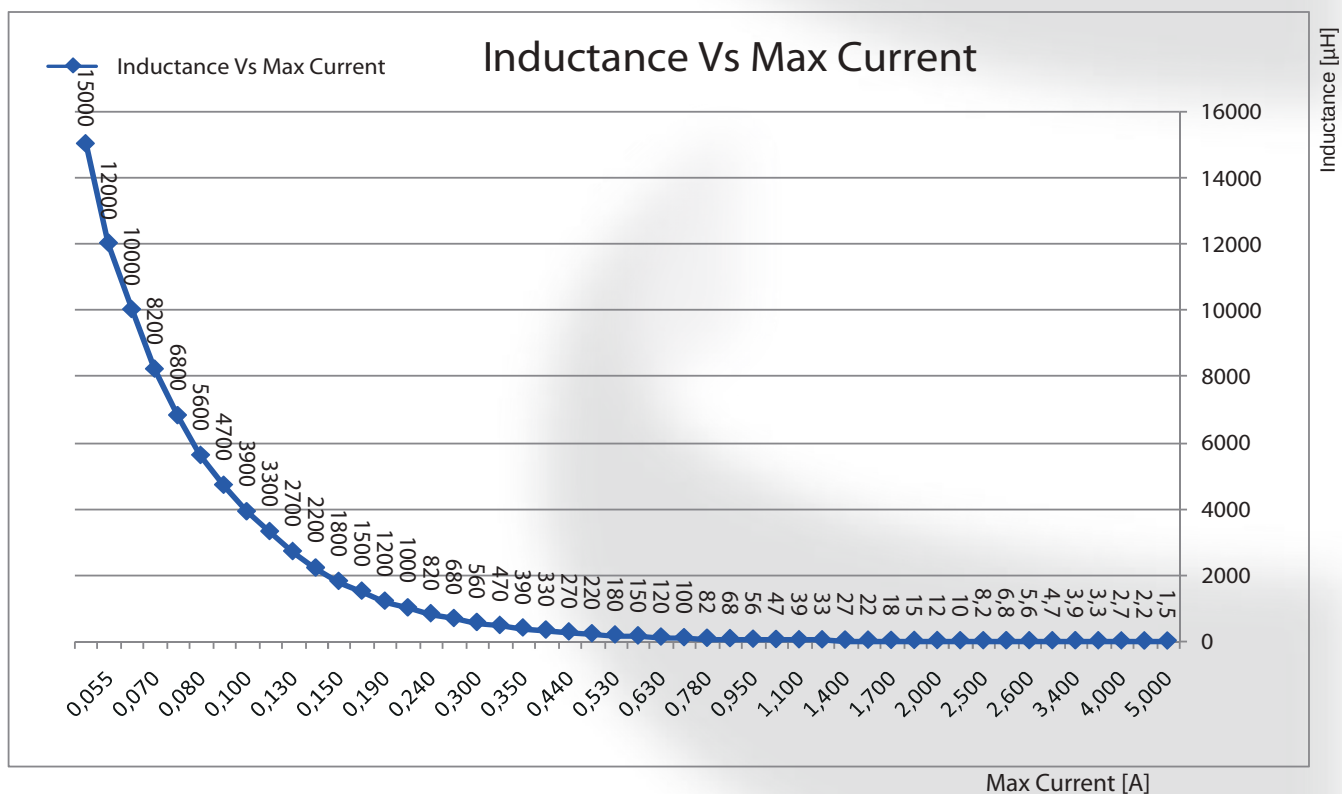
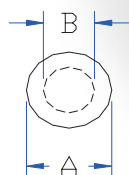
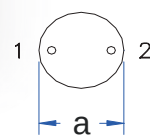
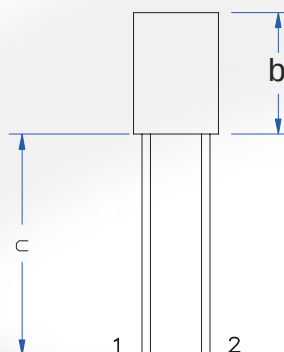
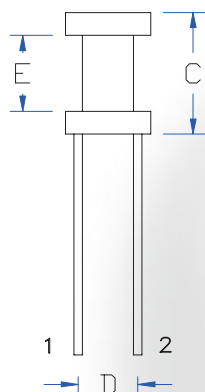
Part number	Inductance (μH)	Tollerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0507-1R0M	1	20%	85	0,013	180	5,6	6,5
DR0507-1R2M	1,2	20%	95	0,015	160	4,8	5
DR0507-1R5M	1,5	20%	110	0,0165	140	4,2	4,5
DR0507-1R8M	1,8	20%		0,0185	120	3,8	4
DR0507-2R2M	2,2	20%	100	0,0205	95	3,4	3,6
DR0507-2R7M	2,7	20%	90	0,0245	80	3,2	3,4
DR0507-3R3M	3,3	20%		0,0265	70	3	3,2
DR0507-3R9M	3,9	20%		0,0305	45	2,6	3
DR0507-4R7M	4,7	20%		0,0365	40	2,3	2,8
DR0507-5R6M	5,6	20%	85	0,0415	33	2,1	2,6
DR0507-6R8M	6,8	20%		0,0485	30	1,9	2,4
DR0507-8R2M	8,2	20%		0,06	28	1,8	2,2
DR0507-100K	10	10%	65	0,065	25	1,7	2
DR0507-120K	12	10%		0,0815	22	1,5	1,8
DR0507-150K	15	10%	60	0,0975	20	1,3	1,6
DR0507-180K	18	10%		0,11	17	1,2	1,5
DR0507-220K	22	10%		0,13	15	1	1,4
DR0507-270K	27	10%	45	0,15	14	0,95	1,2
DR0507-330K	33	10%		0,16	12	0,88	1
DR0507-390K	39	10%		0,21	11	0,8	0,95
DR0507-470K	47	10%		0,25	10	0,75	0,85
DR0507-560K	56	10%	40	0,33	9	0,7	0,75
DR0507-680K	68	10%		0,41	7,5	0,62	0,62
DR0507-820K	82	10%	30	0,46	6,8	0,58	0,55
DR0507-101K	100	10%	20	0,38	6,5	0,4	0,82
DR0507-121K	120	10%		0,43	6,2	0,38	0,8
DR0507-151K	150	10%		0,55	5,4	0,33	0,66
DR0507-181K	180	10%		0,63	5,2	0,31	0,6
DR0507-221K	220	10%	15	0,73	4,7	0,28	0,57
DR0507-271K	270	10%		0,88	4,3	0,26	0,54
DR0507-331K	330	10%		1,1	4	0,22	0,5
DR0507-391K	390	10%	25	1,4	3,5	0,2	0,4
DR0507-471K	470	10%		1,7	3,1	0,18	0,36
DR0507-561K	560	10%		2	2,6	0,17	0,34
DR0507-681K	680	10%		2,3	2,4	0,15	0,32
DR0507-821K	820	10%		2,6	2,2	0,14	0,3
DR0507-102K	1000	10%	60	3,2	2,2	0,13	0,26
DR0507-122K	1200	10%	70	4,2	1,9	0,12	0,23
DR0507-152K	1500	10%		5,2	1,7	0,11	0,2
DR0507-182K	1800	10%	90	6,8	1,6	0,1	0,17
DR0507-222K	2200	10%		7,9	1,5	0,09	0,16
DR0507-272K	2700	10%		9,8	1,3	0,08	0,14
DR0507-332K	3300	10%		12	1,2	0,07	0,13
DR0507-392K	3900	10%		15	1,1	0,065	0,12
DR0507-472K	4700	10%	70	17	1	0,055	0,11
DR0507-562K	5600	10%		22	0,82	0,052	0,1
DR0507-682K	6800	10%	65	25	0,76	0,048	0,09
DR0507-822K	8200	10%		29	0,71	0,044	0,088
DR0507-103K	10000	10%	70	33	0,65	0,04	0,083
DR0507-123K	12000	10%		44	0,55	0,036	0,07
DR0507-153K	15000	10%		52	0,51	0,032	0,066
DR0507-183K	18000	10%	65	69	0,44	0,028	0,055
DR0507-223K	22000	10%		80	0,4	0,026	0,052
DR0507-273K	27000	10%	70	94	0,37	0,022	0,048
DR0507-333K	33000	10%	60	138	0,36	0,02	0,04
DR0507-393K	39000	10%		156	0,34	0,018	0,035
DR0507-473K	47000	10%		178	0,31	0,016	0,03

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0605 SERIES

a	= 7,0	MAX
b	= 6,0	MAX
c	= 15,0	min
A	= 6,0	±0,20
B	= 2,5	±0,15
C	= 5,5	±0,3
D	= 3,0	ref
E	= 4,0	±0,15



DR0605 SERIES

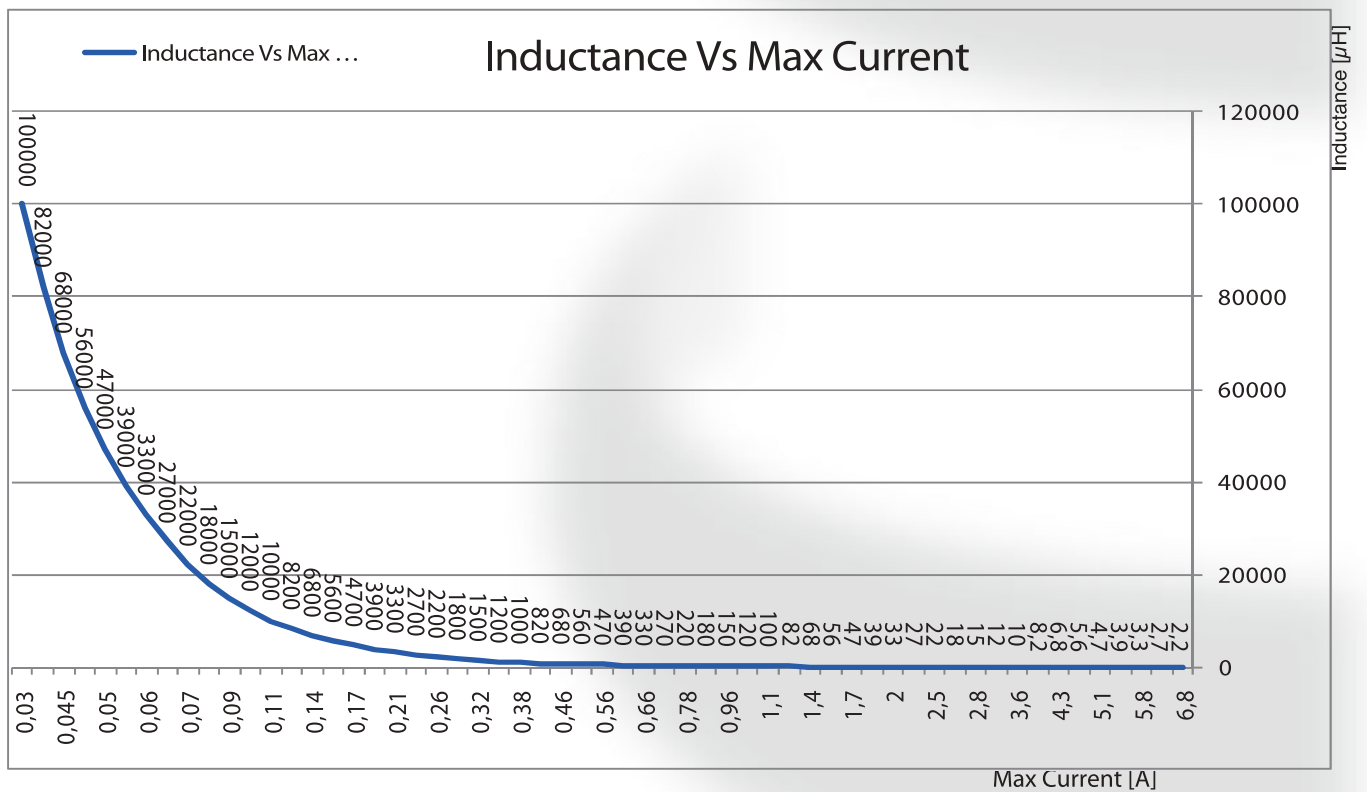
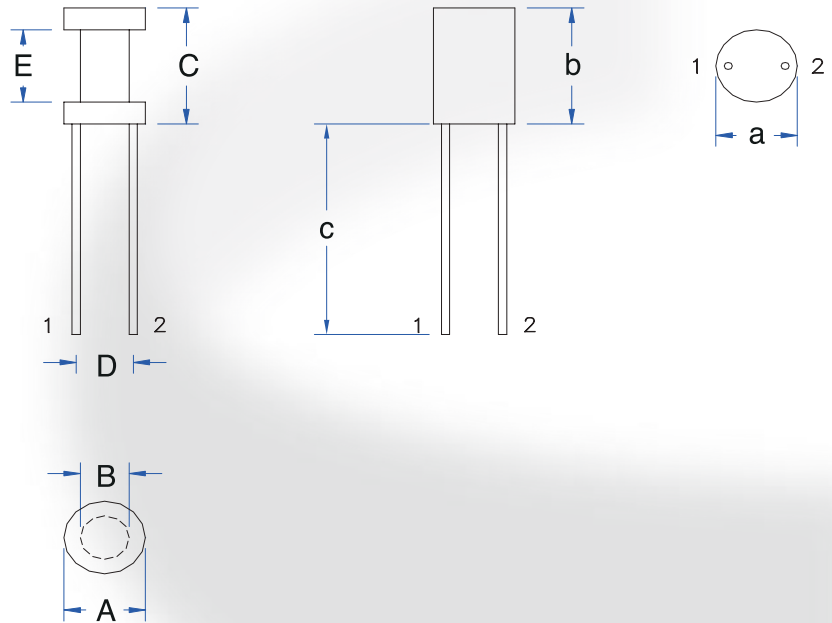
Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0605-1R2M	1,2	20%	20	0,015	125	5,3	5
DR0605-1R5M	1,5	20%		0,0178	95	4,9	4,3
DR0605-2R2M	2,2	20%		0,0208	90	4,5	4
DR0605-2R7M	2,7	20%		0,0237	75	4	3,8
DR0605-3R3M	3,3	20%		0,03	69	3,5	3,4
DR0605-3R9M	3,9	20%		0,032	61	3,3	3,1
DR0605-4R7M	4,7	20%		0,0342	53	3	2,6
DR0605-5R6M	5,6	20%		0,044	32	2,7	2,6
DR0605-6R8M	6,8	20%		0,048	44	2,5	2,5
DR0605-8R2M	8,2	20%		0,0602	39	2,2	2,3
DR0605-100K	10	10%	26	0,0735	33	2	2
DR0605-120K	12	10%		0,0832	32	1,9	1,7
DR0605-150K	15	10%		0,11	27	1,7	1,7
DR0605-180K	18	10%		0,13	24	1,5	1,5
DR0605-220K	22	10%	23	0,15	22	1,4	1,4
DR0605-270K	27	10%		0,18	20	1,2	1,3
DR0605-330K	33	10%		0,23	17	1,1	1,1
DR0605-390K	39	10%		0,26	16	1	1
DR0605-470K	47	10%	18	0,3	15	0,95	0,96
DR0605-560K	56	10%		0,35	13	0,85	0,9
DR0605-680K	68	10%		0,41	12	0,8	0,78
DR0605-820K	82	10%		0,55	11	0,72	0,68
DR0605-101K	100	10%		0,63	10	0,65	0,63
DR0605-121K	120	10%		0,75	9,1	0,6	0,58
DR0605-151K	150	10%	20	0,9	8,2	0,54	0,53
DR0605-181K	180	10%		1,1	6,7	0,48	0,48
DR0605-221K	220	10%		1,2	6,2	0,44	0,44
DR0605-271K	270	10%	23	1,6	6	0,4	0,39
DR0605-331K	330	10%		2	5,2	0,36	0,35
DR0605-391K	390	10%		2,2	4,8	0,34	0,34
DR0605-471K	470	10%		2,8	4,9	0,3	0,3
DR0605-561K	560	10%		3,6	4,2	0,28	0,26
DR0605-681K	680	10%	36	4,3	3,7	0,26	0,24
DR0605-821K	820	10%		4,9	3,4	0,23	0,22
DR0605-102K	1000	10%	78	6,5	3	0,21	0,19
DR0605-122K	1200	10%		7,3	2,8	0,19	0,18
DR0605-152K	1500	10%		9,8	2,4	0,18	0,15
DR0605-182K	1800	10%		11	2,2	0,15	0,14
DR0605-222K	2200	10%		13	2	0,14	0,13
DR0605272K	2700	10%		18	1,8	0,12	0,11
DR0605-332K	3300	10%		20	1,6	0,11	0,1
DR0605-392K	3900	10%		27	1,4	0,1	0,09
DR0605-472K	4700	10%		30	1,3	0,09	0,08
DR0605-562K	5600	10%		35	1,2	0,085	0,075
DR0605-682K	6800	10%		40	1,1	0,08	0,07
DR0605-822K	8200	10%		61	0,99	0,07	0,06
DR0605-103K	10000	10%	46	69	0,92	0,065	0,055
DR0605-123K	12000	10%		80	0,85	0,055	0,05
DR0605-153K	15000	10%		92	0,78	0,05	0,045

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0810 SERIES

DR0810		
a	= 9,0	MAX
b	= 11,5	MAX
c	= 15,0	min
A	= 8,0	±0,2
B	= 4,5	±0,5
C	= 10,0	±0,3
D	= 5,0	ref
E	= 5,50	±0,2



DR0810 SERIES

Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0810-2R2M	2,2	20%	15	95	120	7	6,8
DR0810-2R7M	2,7	20%		0,0107	100	6,7	6,7
DR0810-3R3M	3,3	20%		0,0112	83	5,8	6
DR0810-3R9M	3,9	20%		0,014	65	5,4	5,7
DR0810-4R7M	4,7	20%		0,0155	50	5,1	5,4
DR0810-5R6M	5,6	20%		0,0172	40	4,7	5
DR0810-6R8M	6,8	20%		0,0185	30	4,3	4,6
DR0810-8R2M	8,2	20%	65	0,0235	28	4	4
DR0810-100K	10	10%		0,027	20	3,6	3,8
DR0810-120K	12	10%	60	0,0315	18	3,1	3,7
DR0810-150K	15	10%		0,036	16	2,8	3,6
DR0810-180K	18	10%	50	0,0405	15	2,6	3,2
DR0810-220K	22	10%		0,045	14	2,5	3,1
DR0810-270K	27	10%	45	0,061	12	2,2	2,6
DR0810-330K	33	10%		0,07	11	2	2,4
DR0810-390K	39	10%	40	0,0775	10	1,8	2,2
DR0810-470K	47	10%		0,0865	8,5	1,7	2,1
DR0810-560K	56	10%	35	0,12	8	1,5	1,9
DR0810-680K	68	10%		0,13	7,1	1,4	1,8
DR0810-820K	82	10%	25	0,15	6,2	1,2	1,6
DR0810-101K	100	10%		0,18	5,8	1,1	1,5
DR0810-121K	120	10%	23	0,2	5,2	1	1,4
DR0810-151K	150	10%		0,26	4,8	0,96	1,2
DR0810-181K	180	10%	15	0,3	4,5	0,88	1,1
DR0810-221K	220	10%		0,41	3,8	0,78	1
DR0810-271K	270	10%	25	0,46	3,5	0,72	0,87
DR0810-331K	330	10%		0,53	3,3	0,66	0,7
DR0810-391K	390	10%	33	0,63	3,2	0,62	0,75
DR0810-471K	470	10%		0,71	2,8	0,56	0,7
DR0810-561K	560	10%	45	0,88	2,6	0,5	0,63
DR0810-681K	680	10%		1,1	2,2	0,46	0,58
DR0810-821K	820	10%	45	1,2	2	0,42	0,5
DR0810-102K	1000	10%		1,5	1,8	0,38	0,47
DR0810-122K	1200	10%	45	1,9	1,7	0,34	0,41
DR0810-152K	1500	10%		2,2	1,5	0,32	0,4
DR0810-182K	1800	10%	45	2,7	1,4	0,28	0,35
DR0810-222K	2200	10%		3,4	1,2	0,26	0,32
DR0810-272K	2700	10%	45	4,3	1,1	0,22	0,28
DR0810-332K	3300	10%		5	1	0,21	0,26
DR0810-392K	3900	10%	45	6	0,96	0,19	0,23
DR0810-472K	4700	10%		7,2	0,75	0,17	0,21
DR0810-562K	5600	10%	45	8,2	0,7	0,15	0,2
DR0810-682K	6800	10%		10	0,64	0,14	0,18
DR0810-822K	8200	10%	45	13	0,6	0,13	0,15
DR0810-103K	10000	10%		15	0,55	0,11	0,14
DR0810-123K	12000	10%	45	18	0,5	0,1	0,13
DR0810-153K	15000	10%		25	0,45	0,09	0,11
DR0810-183K	18000	10%	45	30	0,38	0,08	0,1
DR0810-223K	22000	10%		35	0,35	0,07	0,09
DR0810-273K	27000	10%	45	47	0,33	0,065	0,08
DR0810-333K	33000	10%		54	0,31	0,06	0,075
DR0810-393K	39000	10%	45	71	0,26	0,055	0,065
DR0810-473K	47000	10%		81	0,24	0,05	0,06
DR0810-563K	56000	10%	45	92	0,22	0,045	0,055
DR0810-683K	68000	10%		125	0,19	0,045	0,05
DR0810-823K	82000	10%	45	142	0,18	0,035	0,045
DR0810-104K	100000	10%		192	0,16	0,03	0,035

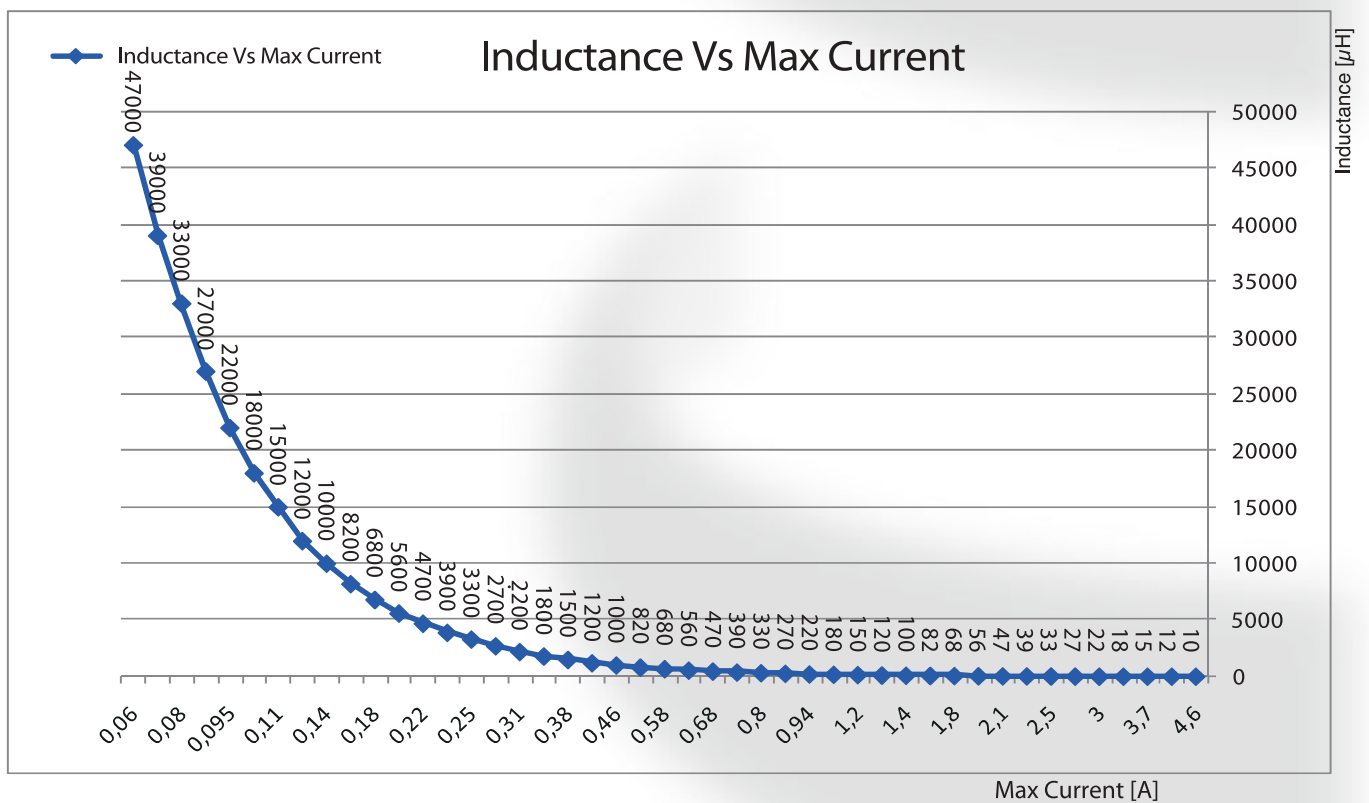
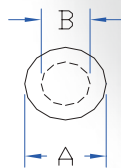
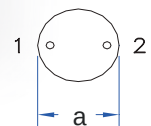
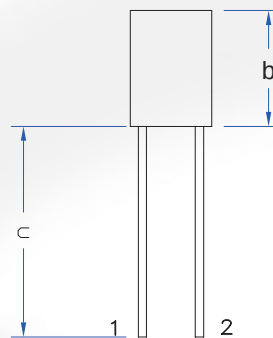
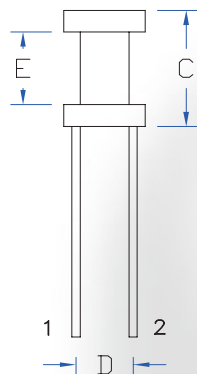
Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0912 SERIES

DR0912

a	= 11,5 MAX
b	= 14,5 MAX
c	= 5,0 +1/-0
A	= 9,0 +0,1/-0,3
B	= 3,9 ±0,1
C	= 12,0 ±0,4
D	= 5,0 ±0,5
E	= 7,0 ±0,15



DR0912 SERIES

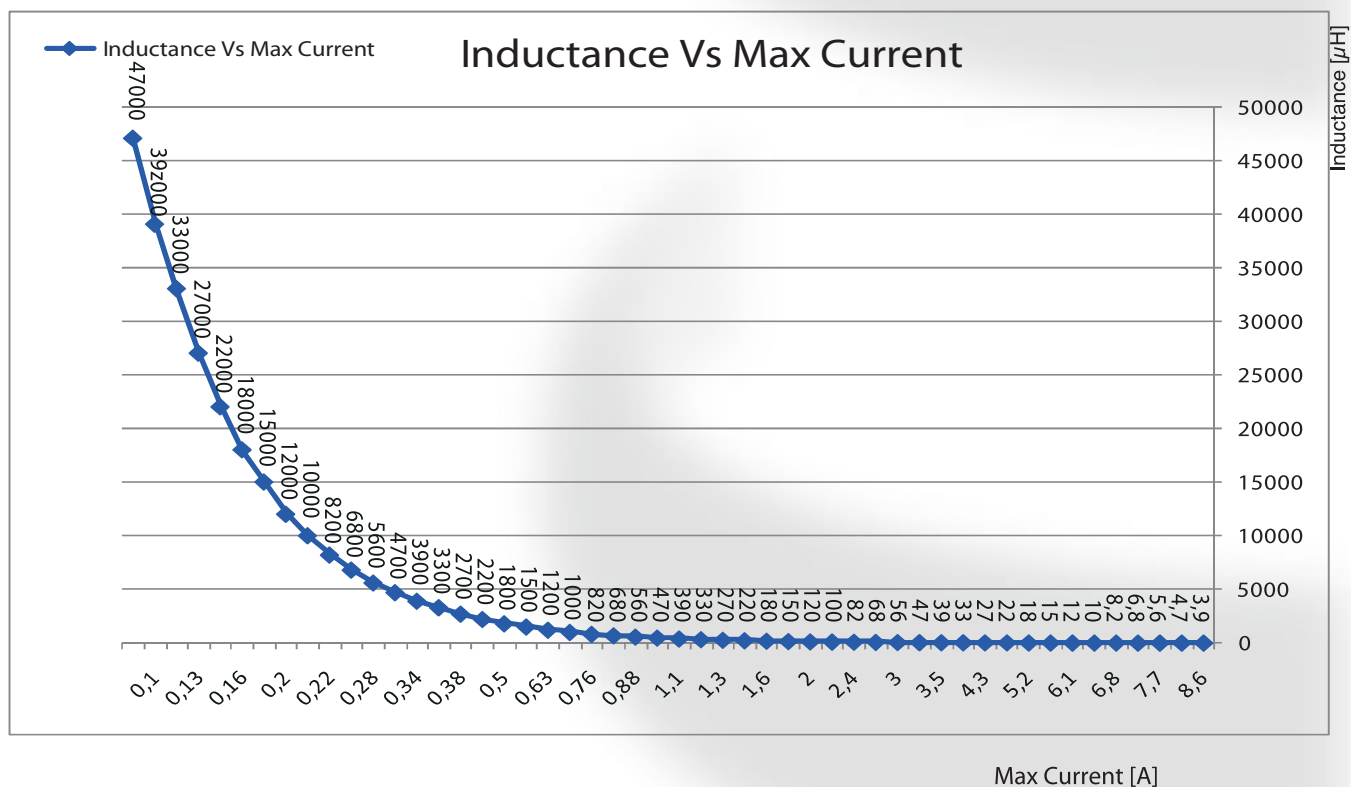
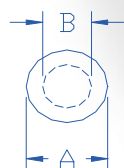
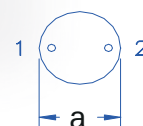
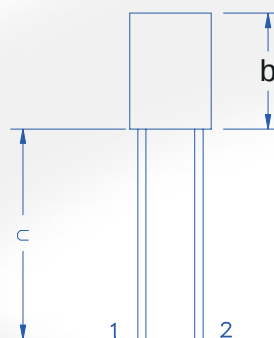
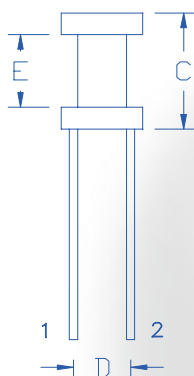
Part number	Inductance (μ H)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0912-100K	10	10%	70	0,0185	25	4,6	5
DR0912-120K	12	10%		0,0205	17	4,2	4,8
DR0912-150K	15	10%		0,027	15	3,7	4,2
DR0912-180K	18	10%	65	0,03	14	3,4	4
DR0912-220K	22	10%		0,034	13,3	3	3,8
DR0912-270K	27	10%	60	0,04	11,5	2,7	3,5
DR0912-330K	33	10%	50	0,045	9,5	2,5	3,4
DR0912-390K	39	10%	45	0,052	9	2,2	3,2
DR0912-470K	47	10%		0,0565	8,2	2,1	3
DR0912-560K	56	10%	40	0,0715	7,4	1,9	2,5
DR0912-680K	68	10%		0,091	6,4	1,8	2,3
DR0912-820K	82	10%	30	0,1	5,6	1,6	2,2
DR0912-101K	100	10%	45	0,13	4,9	1,4	2
DR0912-121K	120	10%	45	0,15	4,8	1,3	1,7
DR0912-151K	150	10%	30	0,18	4,2	1,2	1,6
DR0912-181K	180	10%	35	0,23	3,8	1	1,4
DR0912-221K	220	10%	30	0,26	3,5	0,94	1,3
DR0912-271K	270	10%	25	0,3	3,2	0,88	1,2
DR0912-331K	330	10%		0,38	2,7	0,8	1,1
DR0912-391K	390	10%		0,45	2,50	0,75	0,92
DR0912-471K	470	10%		0,58	2,4	0,68	0,8
DR0912-561K	560	10%		0,64	2,3	0,64	0,75
DR0912-681K	680	10%	20	0,78	2,1	0,58	0,7
DR0912-821K	820	10%	15	0,9	1,8	0,5	0,62
DR0912-102K	1000	10%	20	1,1	1,7	0,46	0,6
DR0912-122K	1200	10%		1,3	1,5	0,43	0,54
DR0912-152K	1500	10%		1,6	1,4	0,38	0,5
DR0912-182K	1800	10%		2	1,2	0,34	0,44
DR0912-222K	2200	10%	30	2,4	1	0,31	0,4
DR0912-272K	2700	10%	40	3	0,9	0,28	0,34
DR0912-332K	3300	10%	30	3,6	0,82	0,25	0,32
DR0912-392K	3900	10%	35	4,2	0,78	0,24	0,28
DR0912-472K	4700	10%		5	0,72	0,22	0,26
DR0912-562K	5600	10%	45	6,7	0,66	0,19	0,24
DR0912-682K	6800	10%	40	7,7	0,6	0,18	0,22
DR0912-822K	8200	10%	30	8,6	0,56	0,16	0,21
DR0912-103K	10000	10%	85	11	0,5	0,14	0,19
DR0912-123K	12000	10%		13	0,47	0,13	0,18
DR0912-153K	15000	10%		15	0,37	0,11	0,15
DR0912-183K	18000	10%	90	19	0,35	0,1	0,14
DR0912-223K	22000	10%		24	0,31	0,095	0,12
DR0912-273K	27000	10%		30	0,27	0,085	0,1
DR0912-333K	33000	10%		41	0,25	0,08	0,095
DR0912-393K	39000	10%	75	50	0,22	0,07	0,08
DR0912-473K	47000	10%		56	0,21	0,06	0,07

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR1012 SERIES

DR1012	
a	= 13,0 MAX
b	= 14,0 MAX
c	= 15,0 min
A	= 10,0 ±0,3
B	= 5,5 ±0,2
C	= 12,0 ±0,6
D	= 5,0 ±0,5
E	= 10,0 ±0,4



DR1012 SERIES

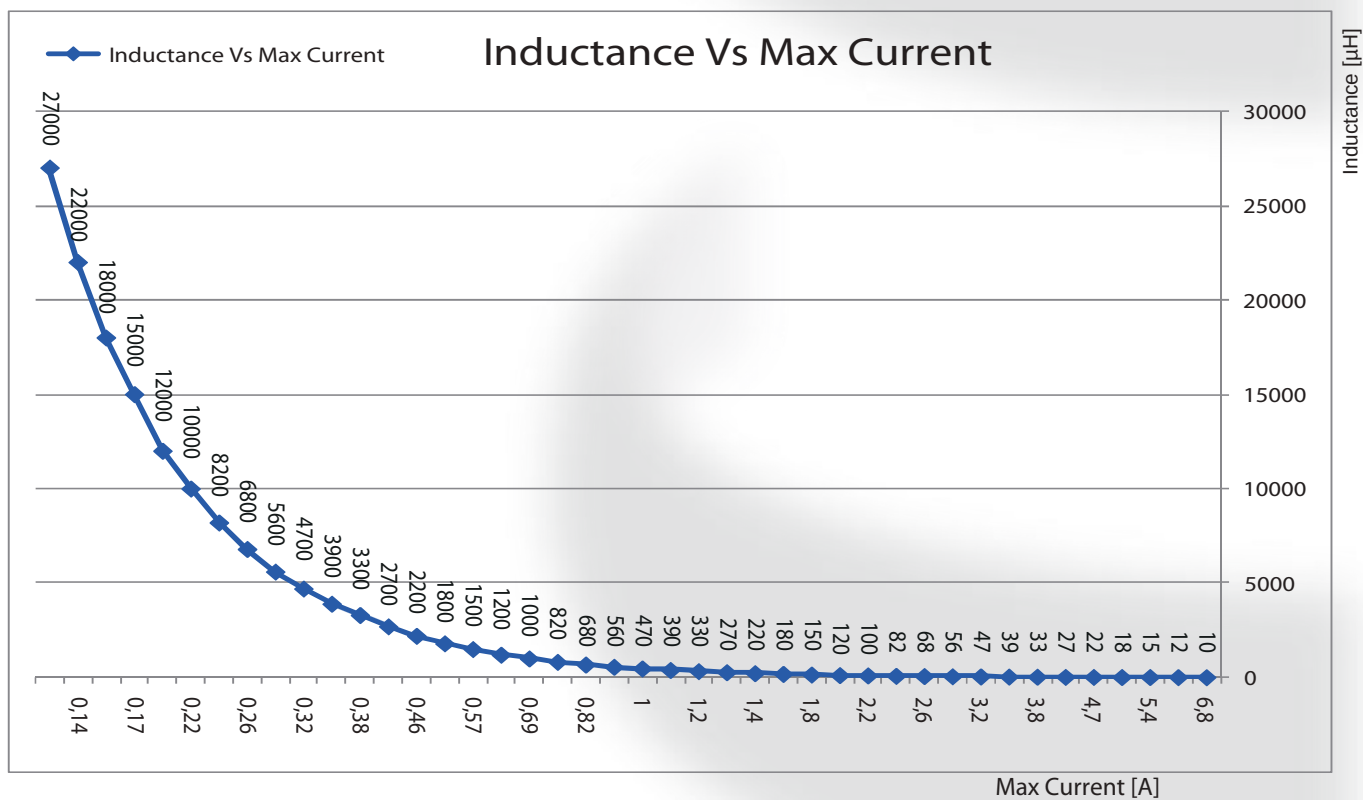
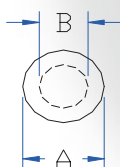
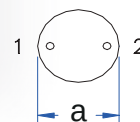
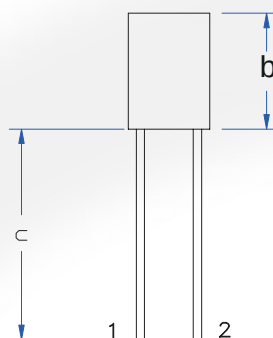
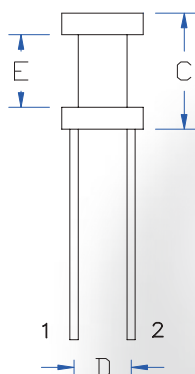
Part number	Inductance (μH)within	Tollerance	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
					Idc 1	Idc2
DR1012-3R9M	3,9	20%	0,011	62	10,8	8,6
DR1012-4R7M	4,7	20%	0,012	52	9,7	8,3
DR1012-5R6M	5,6	20%	0,013	40	9,2	7,7
DR1012-6R8M	6,8	20%	0,015	33	8,4	7,3
DR1012-8R2M	8,2	20%	0,016	27	7,5	6,8
DR1012-100K	10	20%	0,018	19,5	6,8	6,4
DR1012-120K	12	10%	0,019	16,9	6,2	6,1
DR1012-150K	15	10%	0,025	13,5	5,6	5,4
DR1012-180K	18	10%	0,028	13	5,2	5,3
DR1012-220K	22	10%	0,03	12,5	4,8	5
DR1012-270K	27	10%	0,036	9,8	4,3	4,5
DR1012-330K	33	10%	0,045	9,1	3,9	4
DR1012-390K	39	10%	0,051	8,3	3,5	3,7
DR1012-470K	47	10%	0,056	7,8	3,2	3,5
DR1012-560K	56	10%	0,071	7	3	3,1
DR1012-680K	68	10%	0,081	6	2,7	2,9
DR1012-820K	82	10%	0,0103	5,2	2,4	2,4
DR1012-101K	100	10%	0,13	4,7	2,2	2,1
DR1012-121K	120	10%	0,14	4,3	2	2
DR1012-151K	150	10%	0,17	4,1	1,8	1,9
DR1012-181K	180	10%	0,22	3,5	1,6	1,6
DR1012-221K	220	10%	0,24	3,2	1,5	1,5
DR1012-271K	270	10%	0,32	2,8	1,3	1,3
DR1012-331K	330	10%	0,37	2,5	1,2	1,2
DR1012-391K	390	10%	0,44	2,4	1,1	1,1
DR1012-471K	470	10%	0,56	2	1	0,96
DR1012-561K	560	10%	0,63	1,9	0,88	0,91
DR1012-681K	680	10%	0,76	1,8	0,8	0,82
DR1012-821K	820	10%	0,9	1,6	0,78	0,76
DR1012-102K	1000	10%	1,1	1,5	0,70	0,7
DR1012-122K	1200	10%	1,3	1,3	0,65	0,63
DR1012-152K	1500	10%	1,6	1,1	0,57	0,56
DR1012-182K	1800	10%	1,9	1	0,52	0,5
DR1012-222K	2200	10%	2,4	0,97	0,48	0,45
DR1012-272K	2700	10%	3	0,84	0,42	0,38
DR1012-332K	3300	10%	3,7	0,76	0,37	0,37
DR1012-392K	3900	10%	4,6	0,73	0,35	0,34
DR1012-472K	4700	10%	5,5	0,66	0,32	0,3
DR1012-562K	5600	10%	6,2	0,63	0,29	0,28
DR1012-682K	6800	10%	7,3	0,49	0,26	0,26
DR1012-822K	8200	10%	9,2	0,47	0,24	0,22
DR1012-103K	10000	10%	11,5	0,4	0,22	0,21
DR1012-123K	12000	10%	13	0,38	0,2	0,2
DR1012-153K	15000	10%	16	0,35	0,18	0,17
DR1012-183K	18000	10%	18,6	0,32	0,16	0,16
DR1012-223K	22000	10%	24,4	0,3	0,14	0,14
DR1012-273K	27000	10%	28,8	0,27	0,13	0,13
DR1012-333K	33000	10%	41	0,26	0,12	0,11
DR1012-393K	39000	14%	46,5	0,25	0,1	0,1
DR1012-473K	47000	10%	57	0,21	0,09	0,09

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR1016 SERIES

DR1016	
a	= 13,0 MAX
b	= 18,0 MAX
c	= 15,0 min
A	= 10,0 ±0,3
B	= 5,5 ±0,2
C	= 16,0 ±0,6
D	= 5,0 ±0,5
E	= 10,0 ±0,4



DR1016 SERIES

Part number	Inductance (μH)within	Tolerance	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
					Idc 1	Idc2
DR1016-100K	10	10%	0,018	30	6,8	6,9
DR1016-120K	12	10%	0,019	26	6,2	6,3
DR1016-150K	15	10%	0,022	22	5,4	5,8
DR1016-180K	18	10%	0,024	15	5	5,5
DR1016-220K	22	10%	0,026	11	4,7	4,8
DR1016-270K	27	10%	0,03	8,2	4,2	4,6
DR1016-330K	33	10%	0,037	7,7	3,8	4,3
DR1016-390K	39	10%	0,042	7,3	3,5	4,1
DR1016-470K	47	10%	0,046	6,7	3,2	4
DR1016-560K	56	10%	0,051	6,2	3	3,8
DR1016-680K	68	10%	0,065	5,4	2,6	3,4
DR1016-820K	82	10%	0,074	4,7	2,4	3,3
DR1016-101K	100	10%	0,084	4,3	2,2	3,1
DR1016-121K	120	10%	0,11	3,7	2	2,7
DR1016-151K	150	10%	0,12	3,2	1,8	2,4
DR1016-181K	180	10%	0,13	2,9	1,6	2,3
DR1016-221K	220	10%	0,17	2,7	1,4	2
DR1016-271K	270	10%	0,23	2,3	1,3	1,7
DR1016-331K	330	10%	0,31	1,9	1,2	1,4
DR1016-391K	390	10%	0,34	1,8	1,1	1,3
DR1016-471K	470	10%	0,39	1,7	1	1,2
DR1016-561K	560	10%	0,43	1,6	0,9	1,1
DR1016-681K	680	10%	0,59	1,4	0,82	1
DR1016-821K	820	10%	0,65	1,3	0,77	0,9
DR1016-102K	1000	10%	0,85	1,1	0,69	0,84
DR1016-122K	1200	10%	0,96	1	0,64	0,77
DR1016-152K	1500	10%	1,1	0,94	0,57	0,73
DR1016-182K	1800	10%	1,4	0,88	0,52	0,64
DR1016-222K	2200	10%	1,7	0,73	0,46	0,57
DR1016-272K	2700	10%	2	0,69	0,42	0,52
DR1016-332K	3300	10%	2,5	0,62	0,38	0,46
DR1016-392K	3900	10%	2,8	0,59	0,34	0,45
DR1016-472K	4700	10%	3,6	0,52	0,32	0,38
DR1016-562K	5600	10%	4,5	0,45	0,29	0,33
DR1016-682K	6800	10%	5,1	0,43	0,26	0,32
DR1016-822K	8200	10%	6,7	0,4	0,24	0,3
DR1016-103K	10000	10%	7,7	0,37	0,22	0,28
DR1016-123K	12000	10%	9,2	0,34	0,2	0,26
DR1016-153K	15000	10%	11,3	0,27	0,17	0,23
DR1016-183K	18000	10%	14,2	0,25	0,16	0,22
DR1016-223K	22000	10%	18	0,22	0,14	0,18
DR1016-273K	27000	10%	20,5	0,21	0,13	0,17

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

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Elettronica Rossoni

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Electronica Rossoni

INDUSTRIAL
ELECTRONICS

CONSUMER
ELECTRONICS

AUTOMATION
TECHNOLOGY

COMMUNICATION
& ENTERTAINMENT
ELECTRONICS

POWER INDUCTORS SMD SERIE

LIGHTING
TECHNOLOGY





Elettronica Rossoni

Company Background

Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.

CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

POWER INDUCTORS SMD SERIES

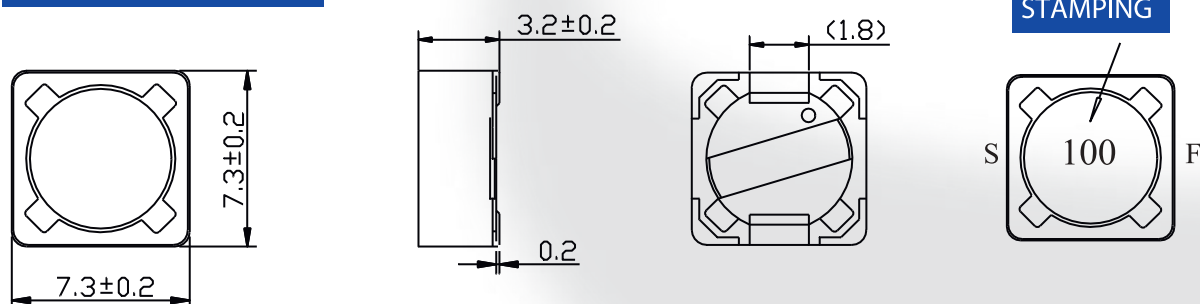
DRH73 Series

TYPE DRH73

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH73-100M	100	$10 \pm 20\%$	72m	1.84	2.11
DRH73-120M	120	$12 \pm 20\%$	98m	1.60	1.70
DRH73-150M	150	$15 \pm 20\%$	120m	1.52	1.50
DRH73-180M	180	$18 \pm 20\%$	130m	1.40	1.46
DRH73-220M	220	$22 \pm 20\%$	170m	1.28	1.23
DRH73-270M	270	$27 \pm 20\%$	190m	1.16	1.22
DRH73-330M	330	$33 \pm 20\%$	220m	1.04	1.20
DRH73-390M	390	$39 \pm 20\%$	280m	0.96	0.98
DRH73-470M	470	$47 \pm 20\%$	320m	0.88	0.92
DRH73-560M	560	$56 \pm 20\%$	360m	0.80	0.88
DRH73-680M	680	$68 \pm 20\%$	470m	0.74	0.81
DRH73-820M	820	$82 \pm 20\%$	650m	0.65	0.61
DRH73-101M	101	$100 \pm 20\%$	720m	0.60	0.60
DRH73-121M	121	$120 \pm 20\%$	820m	0.55	0.55
DRH73-151M	151	$150 \pm 20\%$	1.16	0.48	0.46
DRH73-181M	181	$180 \pm 20\%$	1.20	0.45	0.43
DRH73-221M	221	$220 \pm 20\%$	1.37	0.41	0.41
DRH73-271M	271	$270 \pm 20\%$	2.00	0.37	0.40
DRH73-331M	331	$330 \pm 20\%$	2.27	0.33	0.34
DRH73-391M	391	$390 \pm 20\%$	2.59	0.31	0.31
DRH73-471M	471	$470 \pm 20\%$	3.39	0.27	0.28
DRH73-561M	561	$560 \pm 20\%$	3.78	0.25	0.25
DRH73-681M	681	$680 \pm 20\%$	5.12	0.22	0.22
DRH73-821M	821	$820 \pm 20\%$	5.76	0.21	0.20
DRH73-102M	102	$1000 \pm 20\%$	8.20	0.18	0.18

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

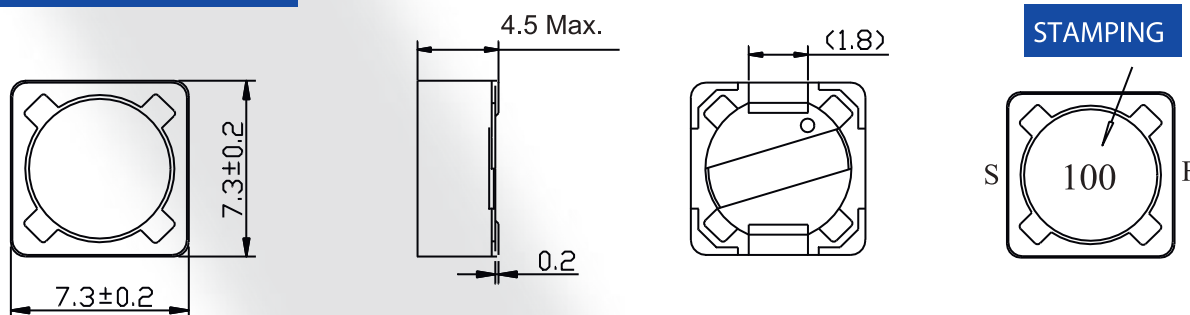
DRH74 Series

TYPE DRH74

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH74-100M	100	$10 \pm 20\%$	70.0m	2.10	1.90
DRH74-120M	120	$12 \pm 20\%$	75.0m	1.82	1.80
DRH74-150M	150	$15 \pm 20\%$	85.0m	1.75	1.72
DRH74-180M	180	$18 \pm 20\%$	0.10	1.61	1.67
DRH74-220M	220	$22 \pm 20\%$	0.12	1.40	1.50
DRH74-270M	270	$27 \pm 20\%$	0.14	1.26	1.32
DRH74-330M	330	$33 \pm 20\%$	0.17	1.05	1.21
DRH74-390M	390	$39 \pm 20\%$	0.20	0.98	1.06
DRH74-470M	470	$47 \pm 20\%$	0.24	0.84	1.00
DRH74-560M	560	$56 \pm 20\%$	0.27	0.78	0.98
DRH74-680M	680	$68 \pm 20\%$	0.35	0.75	0.84
DRH74-820M	820	$82 \pm 20\%$	0.42	0.66	0.78
DRH74-101M	101	$100 \pm 20\%$	0.47	0.63	0.70
DRH74-121M	121	$120 \pm 20\%$	0.64	0.56	0.64
DRH74-151M	151	$150 \pm 20\%$	0.73	0.50	0.55
DRH74-181M	181	$180 \pm 20\%$	0.98	0.45	0.50
DRH74-221M	221	$220 \pm 20\%$	1.13	0.41	0.48
DRH74-271M	271	$270 \pm 20\%$	1.38	0.37	0.44
DRH74-331M	331	$330 \pm 20\%$	1.65	0.34	0.39
DRH74-391M	391	$390 \pm 20\%$	1.83	0.31	0.37
DRH74-471M	471	$470 \pm 20\%$	2.05	0.29	0.33
DRH74-561M	561	$560 \pm 20\%$	2.57	0.25	0.29
DRH74-681M	681	$680 \pm 20\%$	3.00	0.23	0.27
DRH74-821M	821	$820 \pm 20\%$	3.75	0.21	0.26
DRH74-102M	102	$1000 \pm 20\%$	4.25	0.20	0.23

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

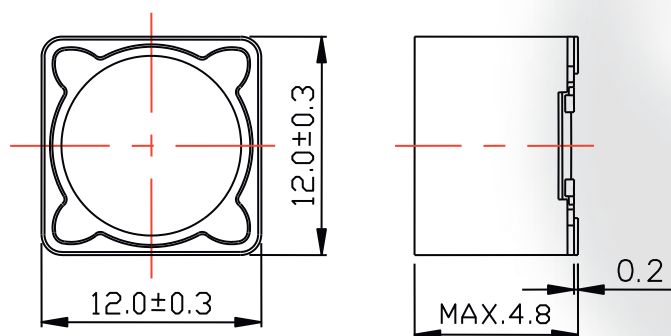
DRH124 Series

TYPE DRH124

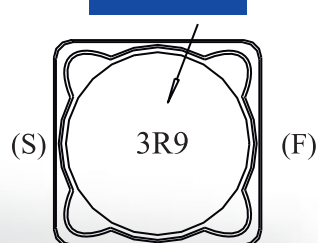
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH124-3R9M	3R9	$3.9 \pm 20\%$	13.7	8.26	6.68
DRH124-5R2M	5R2	$5.2 \pm 20\%$	15.5	7.19	6.03
DRH124-6R8M	6R8	$6.8 \pm 20\%$	19.9	6.37	5.53
DRH124-8R2M	8R2	$8.2 \pm 20\%$	24.4	5.72	5.00
DRH124-100M	100	$10 \pm 20\%$	32.4	5.19	4.50
DRH124-120M	120	$12 \pm 20\%$	35.6	4.75	4.00
DRH124-150M	150	$15 \pm 20\%$	43.9	4.38	3.50
DRH124-180M	180	$18 \pm 20\%$	52.1	3.79	3.18
DRH124-220M	220	$22 \pm 20\%$	65.7	3.34	3.11
DRH124-270M	270	$27 \pm 20\%$	70.3	3.16	2.75
DRH124-330M	330	$33 \pm 20\%$	90.5	2.84	2.60
DRH124-390M	390	$39 \pm 20\%$	123.9	2.59	1.96
DRH124-470M	470	$47 \pm 20\%$	132.3	2.37	1.91
DRH124-560M	560	$56 \pm 20\%$	168.9	2.19	1.73
DRH124-680M	680	$68 \pm 20\%$	181.9	2.04	1.58
DRH124-820M	820	$82 \pm 20\%$	214.8	1.79	1.52
DRH124-101M	101	$100 \pm 20\%$	266.3	1.63	1.36
DRH124-121M	121	$120 \pm 20\%$	330.6	1.51	1.19
DRH124-151M	151	$150 \pm 20\%$	468.9	1.33	1.01
DRH124-181M	181	$180 \pm 20\%$	524.9	1.22	0.95
DRH124-221M	221	$220 \pm 20\%$	602.6	1.13	0.85
DRH124-271M	271	$270 \pm 20\%$	823.9	1.05	0.74
DRH124-331M	331	$330 \pm 20\%$	932.1	0.95	0.69

DIMENSION (UNIT:mm)



STAMPING



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

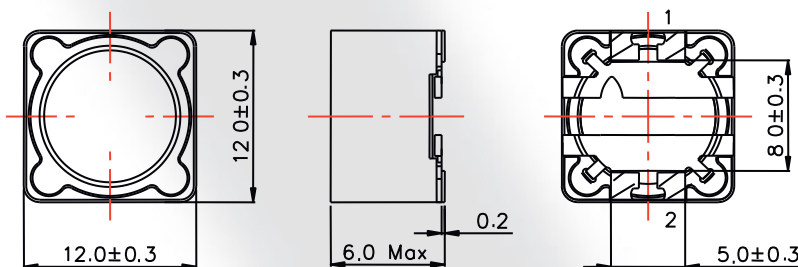
DRH125 Series

TYPE DRH125

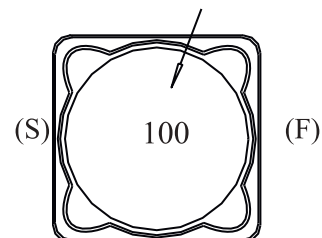
ELECTRICAL CHARACTERISTICS

No.	PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω)	RATED CURRENT Max. (A)	
					Idc1 Max.	Idc2 Max.
01	DRH125-100M	100	10 $\pm$ 20%	27.0m	4.50	4.20
02	DRH125-120M	120	12 $\pm$ 20%	28.0m	4.30	3.60
03	DRH125-150M	150	15 $\pm$ 20%	32.0m	3.90	3.50
04	DRH125-180M	180	18 $\pm$ 20%	35.0m	3.60	3.20
05	DRH125-220M	220	22 $\pm$ 20%	44.0m	3.20	2.90
06	DRH125-270M	270	27 $\pm$ 20%	51.0m	2.90	2.70
07	DRH125-330M	330	33 $\pm$ 20%	57.0m	2.50	2.50
08	DRH125-390M	390	39 $\pm$ 20%	68.0m	2.20	2.20
09	DRH125-470M	470	47 $\pm$ 20%	75.0m	2.20	2.00
10	DRH125-560M	560	56 $\pm$ 20%	91.0m	2.10	1.90
11	DRH125-680M	680	68 $\pm$ 20%	0.14	1.80	1.60
12	DRH125-820M	820	82 $\pm$ 20%	0.15	1.70	1.50
13	DRH125-101M	101	100 $\pm$ 20%	0.16	1.40	1.45
14	DRH125-121M	121	120 $\pm$ 20%	0.18	1.40	1.30
15	DRH125-151M	151	150 $\pm$ 20%	0.24	1.20	1.05
16	DRH125-181M	181	180 $\pm$ 20%	0.29	1.10	1.00
17	DRH125-221M	221	220 $\pm$ 20%	0.35	1.00	0.95
18	DRH125-271M	271	270 $\pm$ 20%	0.43	0.90	0.90
19	DRH125-331M	331	330 $\pm$ 20%	0.51	0.85	0.80
20	DRH125-391M	391	390 $\pm$ 20%	0.62	0.80	0.70
21	DRH125-471M	471	470 $\pm$ 20%	0.70	0.73	0.65
22	DRH125-561M	561	560 $\pm$ 20%	0.86	0.60	0.58
23	DRH125-681M	681	680 $\pm$ 20%	1.05	0.55	0.55
24	DRH125-821M	821	820 $\pm$ 20%	1.34	0.53	0.47
25	DRH125-102M	102	1000 $\pm$ 20%	1.53	0.45	0.42

DIMENSION (UNIT:mm)



STAMPING



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

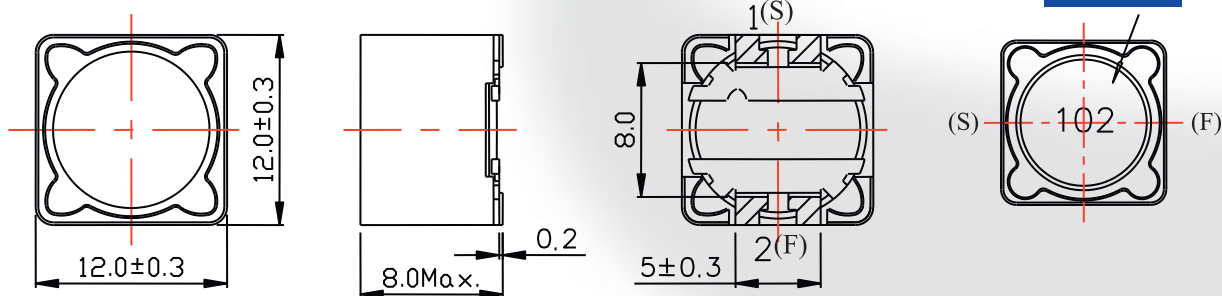
DRH127 Series

TYPE DRH127

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH127-1R2N	1R2	1.2 $\pm$ 30%	6.5	19.74	10.58
DRH127-2R7N	2R7	2.7 $\pm$ 30%	10.5	12.89	8.09
DRH127-3R9N	3R9	3.9 $\pm$ 30%	12.5	11.02	7.42
DRH127-5R0N	5R0	5.0 $\pm$ 30%	14.5	9.62	6.88
DRH127-6R9N	6R9	6.9 $\pm$ 30%	16.5	8.55	6.45
DRH127-8R0N	8R0	8.0 $\pm$ 30%	18.5	7.70	6.08
DRH127-100M	100	10 $\pm$ 20%	20.5	7.01	5.74
DRH127-120M	120	12 $\pm$ 20%	22.5	6.43	5.46
DRH127-150M	150	15 $\pm$ 20%	25.0	5.94	5.20
DRH127-180M	180	18 $\pm$ 20%	29.5	5.17	4.76
DRH127-220M	220	22 $\pm$ 20%	39.5	4.86	4.07
DRH127-270M	270	27 $\pm$ 20%	43.0	4.58	3.90
DRH127-330M	330	33 $\pm$ 20%	61.0	4.11	3.25
DRH127-390M	390	39 $\pm$ 20%	68.5	3.73	3.06
DRH127-470M	470	47 $\pm$ 20%	76.5	3.42	2.89
DRH127-560M	560	56 $\pm$ 20%	108	3.15	2.42
DRH127-680M	680	68 $\pm$ 20%	134	2.82	2.11
DRH127-820M	820	82 $\pm$ 20%	146	2.65	2.02
DRH127-101M	101	100 $\pm$ 20%	209	2.34	1.67
DRH127-121M	121	120 $\pm$ 20%	231	2.17	1.58
DRH127-151M	151	150 $\pm$ 20%	259	1.96	1.49
DRH127-181M	181	180 $\pm$ 20%	333	1.80	1.30
DRH127-221M	221	220 $\pm$ 20%	375	1.62	1.23
DRH127-271M	271	270 $\pm$ 20%	532	1.48	1.02
DRH127-331M	331	330 $\pm$ 20%	597	1.34	0.96
DRH127-391M	391	390 $\pm$ 20%	653	1.25	0.92
DRH127-471M	471	470 $\pm$ 20%	911	1.14	0.77
DRH127-561M	561	560 $\pm$ 20%	994	1.05	0.73
DRH127-681M	681	680 $\pm$ 20%	1370	0.96	0.61
DRH127-821M	821	820 $\pm$ 20%	1530	0.87	0.57
DRH127-102M	102	1000 $\pm$ 20%	1700	0.80	0.54

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

DA54 Series

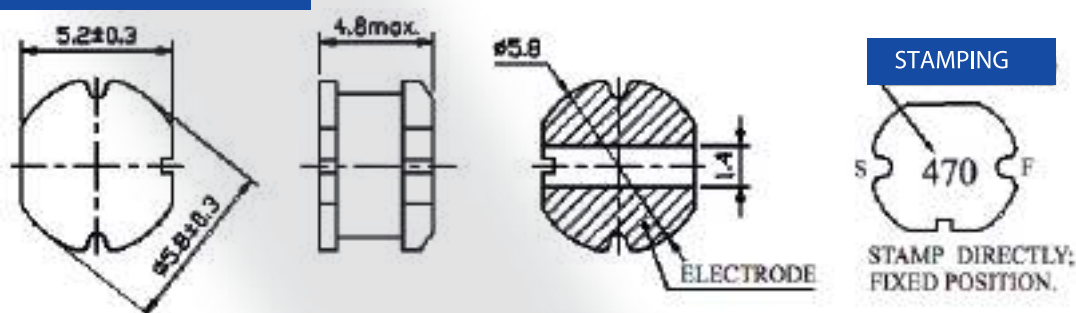
TYPE DA54

ELECTRICAL CHARACTERISTICS

PART NUMBER	L (μ H)	L TOLERANCE	D.C.R. (m Ω)	RATED CURRENT Max. (A)		SRF (MHz) Typ.	STAMP
				Idc1	Idc2		
DA54-1R0M	1.0	M	23.5	4.5	3.4	188	1R0
DA54-1R2M	1.2		27.5	4.0	3.2	158	1R2
DA54-1R8M	1.8		32.0	3.5	3.0	122	1R8
DA54-2R2M	2.2		36.5	2.9	2.8	81	2R2
DA54-2R7M	2.7		40.5	2.5	2.7	68	2R7
DA54-3R3M	3.3		45.0	2.4	2.6	55	3R3
DA54-3R9M	3.9		49.5	2.3	2.5	49	3R9
DA54-4R7M	4.7		54.5	2.2	2.4	46	4R7
DA54-5R6M	5.6		64.0	2.0	2.3	40	5R6
DA54-6R8M	6.8		69.0	1.9	2.2	35	6R8
DA54-8R2M	8.2	M,K	79.0	1.7	2.1	28	8R2
DA54-100M	10		69.5	1.5	2.0	32	100
DA54-120M	12		79.0	1.4	1.9	30	120
DA54-150M	15		104	1.2	1.7	24	150
DA54-180M	18		121	1.0	1.5	22	180
DA54-220M	22		154	0.97	1.3	21	220
DA54-270M	27		174	0.89	1.2	18	270
DA54-330M	33		204	0.73	1.1	17	330
DA54-390M	39		268	0.71	1.0	14	390
DA54-470M	47		306	0.69	0.90	14	470
DA54-560M	56		342	0.66	0.80	12	560
DA54-680M	68		381	0.61	0.70	11	680
DA54-820M	82		505	0.54	0.65	10	820
DA54-101M	100		589	0.48	0.60	9	101
DA54-121M	120		779	0.37	0.58	8	121
DA54-151M	150		895	0.35	0.56	8	151
DA54-181M	180		1140	0.32	0.47	6	181
DA54-221M	220		1267	0.27	0.45	5	221
DA54-271M	270		1434	0.25	0.43	4	271
DA54-331M	330		1703	0.24	0.36	4	331

M: $\pm 20\%$, K: $\pm 10\%$

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

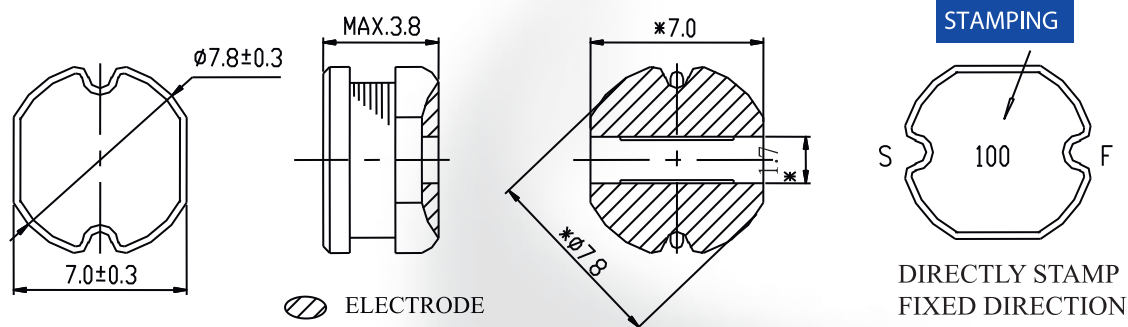
DA73 Series

TYPE DA73

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) MAX.(TYP.)	RATED CURRENT Max. (A) ※
DA73-100K	100	10 $\pm$ 10%	80.3(64.2)	1.59
DA73-120K	120	12 $\pm$ 10%	87.1(69.7)	1.52
DA73-150K	150	15 $\pm$ 10%	101(80.6)	1.29
DA73-180K	180	18 $\pm$ 10%	107(85.9)	1.14
DA73-220K	220	22 $\pm$ 10%	124(98.9)	1.04
DA73-270K	270	27 $\pm$ 10%	149(119)	0.93
DA73-330K	330	33 $\pm$ 10%	165(132)	0.83
DA73-390K	390	39 $\pm$ 10%	220(176)	0.75
DA73-470K	470	47 $\pm$ 10%	251(201)	0.71
DA73-560K	560	56 $\pm$ 10%	285(228)	0.60
DA73-680K	680	68 $\pm$ 10%	333(266)	0.59
DA73-820K	820	82 $\pm$ 10%	414(331)	0.54
DA73-101K	101	100 $\pm$ 10%	487(390)	0.47
DA73-121K	121	120 $\pm$ 10%	549(439)	0.45
DA73-151K	151	150 $\pm$ 10%	772(617)	0.39
DA73-181K	181	180 $\pm$ 10%	952(762)	0.37
DA73-221K	221	220 $\pm$ 10%	1080(864)	0.32
DA73-271K	271	270 $\pm$ 10%	1260(1008)	0.30
DA73-331K	331	330 $\pm$ 10%	1450(1160)	0.27

DIMENSION (UNIT:mm)



※ RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

POWER INDUCTORS SMD SERIES

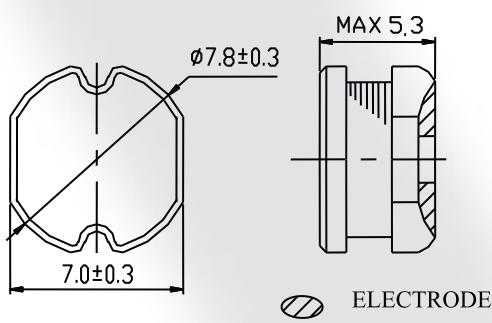
DA75 Series

TYPE DA75

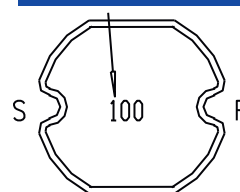
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H)	D.C.R. (Ω , 25°C) Max.(Typ.)	RATED CURRENT Max. (A)		S.R.F (Typ.)
				Idc1	Idc2	
DA75-100K	100	10 $\pm$ 10%	52m(40m)	2.4	2.3	26
DA75-120K	120	12 $\pm$ 10%	61m(46.9m)	2.3	2.0	24
DA75-150K	150	15 $\pm$ 10%	70m(53.7m)	2.2	1.8	22
DA75-180K	180	18 $\pm$ 10%	80m(61.5m)	2.1	1.6	20
DA75-220K	220	22 $\pm$ 10%	89m(68.2m)	1.9	1.5	19
DA75-270K	270	27 $\pm$ 10%	120m(83.5m)	1.8	1.3	13
DA75-330K	330	33 $\pm$ 10%	130m(93m)	1.7	1.2	12
DA75-390K	390	39 $\pm$ 10%	160m(127m)	1.5	1.1	12
DA75-470K	470	47 $\pm$ 10%	180m(135m)	1.4	1.1	12
DA75-560K	560	56 $\pm$ 10%	240m(177m)	1.2	0.94	10
DA75-680K	680	68 $\pm$ 10%	280m(208m)	1.1	0.85	10
DA75-820K	820	82 $\pm$ 10%	370m(271m)	1.0	0.78	9
DA75-101K	101	100 $\pm$ 10%	430m(310m)	0.90	0.72	8
DA75-121K	121	120 $\pm$ 10%	470m(346m)	0.80	0.66	8
DA75-151K	151	150 $\pm$ 10%	640m(491m)	0.70	0.58	6
DA75-181K	181	180 $\pm$ 10%	710m(551m)	0.65	0.51	6
DA75-221K	221	220 $\pm$ 10%	960m(714m)	0.60	0.49	5
DA75-271K	271	270 $\pm$ 10%	1.11(821m)	0.55	0.42	5
DA75-331K	331	330 $\pm$ 10%	1.26(979m)	0.50	0.40	4
DA75-391K	391	390 $\pm$ 10%	1.77(1265m)	0.45	0.36	4
DA75-471K	471	470 $\pm$ 10%	1.96(1421m)	0.42	0.34	4

DIMENSION (UNIT:mm)



STAMPING



STAMP DIRECTLY
FIXED DIRECTION

* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

POWER INDUCTORS SMD SERIES

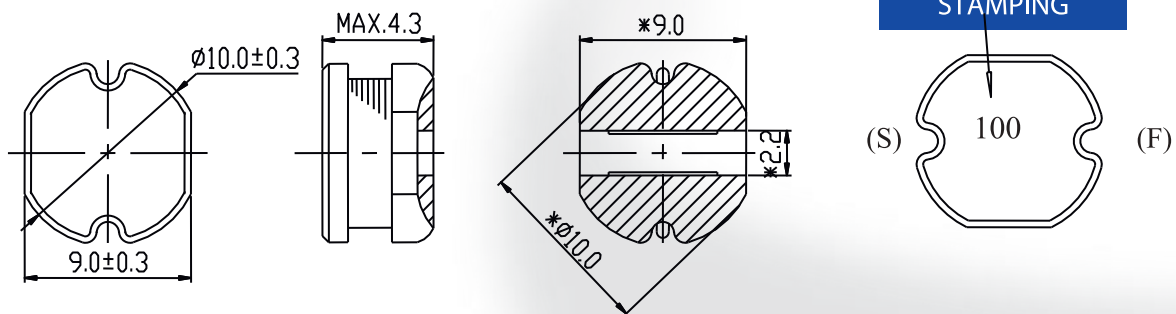
DA104 Series

TYPE DA104

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) MAX.	RATED CURRENT Max. (A)※
DA104-100M	100	10 $\pm$ 20%	50	2.38
DA104-120M	120	12 $\pm$ 20%	60	2.13
DA104-150M	150	15 $\pm$ 20%	70	1.87
DA104-180M	180	18 $\pm$ 20%	80	1.73
DA104-220M	220	22 $\pm$ 20%	90	1.60
DA104-270M	270	27 $\pm$ 20%	100	1.44
DA104-330M	330	33 $\pm$ 20%	120	1.26
DA104-390M	390	39 $\pm$ 20%	150	1.20
DA104-470M	470	47 $\pm$ 20%	170	1.10
DA104-560K	560	56 $\pm$ 10%	200	1.01
DA104-680K	680	68 $\pm$ 10%	220	0.91
DA104-820K	820	82 $\pm$ 10%	250	0.85
DA104-101K	101	100 $\pm$ 10%	340	0.74
DA104-121K	121	120 $\pm$ 10%	400	0.69
DA104-151K	151	150 $\pm$ 10%	540	0.61
DA104-181K	181	180 $\pm$ 10%	620	0.56
DA104-221K	221	220 $\pm$ 10%	720	0.53
DA104-271K	271	270 $\pm$ 10%	950	0.45
DA104-331K	331	330 $\pm$ 10%	1100	0.42
DA104-391K	391	390 $\pm$ 10%	1240	0.38
DA104-471K	471	470 $\pm$ 10%	1530	0.35
DA104-561K	561	560 $\pm$ 10%	1900	0.32

DIMENSION (UNIT:mm)



※ RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

POWER INDUCTORS SMD SERIES

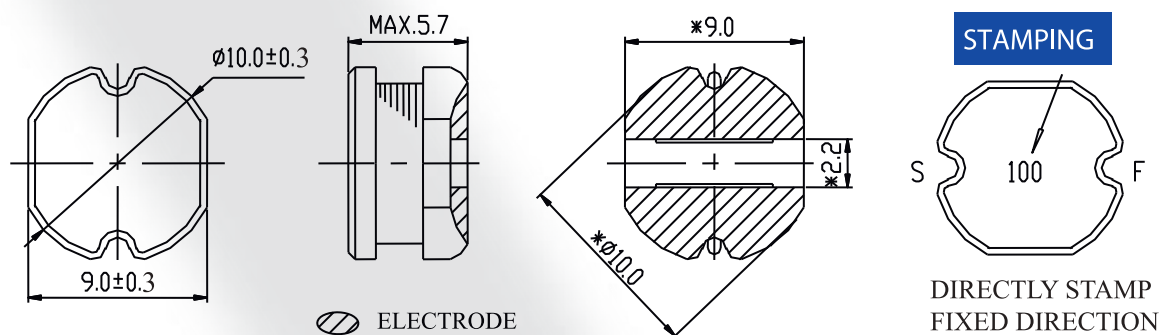
DA105 Series

TYPE DA105

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω) MAX.	RATED CURRENT Max. (A) ※	SRF (MHz) (TYP)
DA105-100M	100	$10 \pm 20\%$	40m	3.50	27
DA105-120M	120	$12 \pm 20\%$	50m	3.03	23
DA105-150M	150	$15 \pm 20\%$	60m	2.87	20
DA105-180M	180	$18 \pm 20\%$	70m	2.48	18
DA105-220M	220	$22 \pm 20\%$	80m	2.32	17
DA105-270M	270	$27 \pm 20\%$	100m	2.06	14
DA105-330M	330	$33 \pm 20\%$	110m	1.82	13
DA105-390M	390	$39 \pm 20\%$	120m	1.68	12
DA105-470K	470	$47 \pm 10\%$	150m	1.54	10
DA105-560K	560	$56 \pm 10\%$	170m	1.44	9
DA105-680K	680	$68 \pm 10\%$	210m	1.27	9
DA105-820K	820	$82 \pm 10\%$	240m	1.18	8
DA105-101K	101	$100 \pm 10\%$	330m	1.05	7
DA105-121K	121	$120 \pm 10\%$	370m	0.95	6
DA105-151K	151	$150 \pm 10\%$	430m	0.88	6
DA105-181K	181	$180 \pm 10\%$	580m	0.79	5
DA105-221K	221	$220 \pm 10\%$	650m	0.73	5
DA105-271K	271	$270 \pm 10\%$	880m	0.64	4
DA105-331K	331	$330 \pm 10\%$	1.05	0.60	4
DA105-391K	391	$390 \pm 10\%$	1.20	0.54	4
DA105-471K	471	$470 \pm 10\%$	1.30	0.50	3
DA105-561K	561	$560 \pm 10\%$	1.70	0.46	3
DA105-681K	681	$680 \pm 10\%$	2.00	0.42	3
DA105-821K	821	$820 \pm 10\%$	2.25	0.39	3

DIMENSION (UNIT:mm)



※ RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

POWER INDUCTORS SMD SERIES

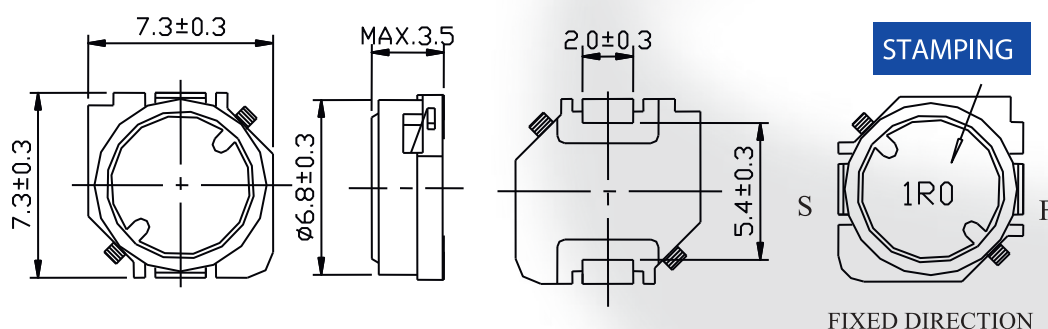
SD73 Series

TYPE SD73

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω) Max.	RATED CURRENT Max. (A)	
				Idc1	Idc2
SD73-1R0M	1R0	1.0 $\pm$ 20%	25m	3.5	3.2
SD73-1R5M	1R5	1.5 $\pm$ 20%	31m	2.9	2.9
SD73-1R8M	1R8	1.8 $\pm$ 20%	35m	2.5	2.6
SD73-2R7M	2R7	2.7 $\pm$ 20%	42m	2.1	2.2
SD73-3R3M	3R3	3.3 $\pm$ 20%	48m	1.8	2.1
SD73-3R9M	3R9	3.9 $\pm$ 20%	55m	1.7	2.0
SD73-4R7M	4R7	4.7 $\pm$ 20%	61m	1.5	1.9
SD73-5R6M	5R6	5.6 $\pm$ 20%	68m	1.3	1.8
SD73-6R8M	6R8	6.8 $\pm$ 20%	74m	1.1	1.7
SD73-8R2M	8R2	8.2 $\pm$ 20%	81m	1.0	1.6
SD73-100M	100	10 $\pm$ 20%	94m	0.96	1.5
SD73-120M	120	12 $\pm$ 20%	0.10	0.88	1.4
SD73-150M	150	15 $\pm$ 20%	0.13	0.80	1.3
SD73-180M	180	18 $\pm$ 20%	0.16	0.76	1.1
SD73-220M	220	22 $\pm$ 20%	0.18	0.72	1.0
SD73-270M	270	27 $\pm$ 20%	0.24	0.68	0.96
SD73-330M	330	33 $\pm$ 20%	0.26	0.64	0.88
SD73-390M	390	39 $\pm$ 20%	0.30	0.60	0.80
SD73-470M	470	47 $\pm$ 20%	0.35	0.58	0.76
SD73-560M	560	56 $\pm$ 20%	0.44	0.54	0.68
SD73-680M	680	68 $\pm$ 20%	0.54	0.52	0.64
SD73-820M	820	82 $\pm$ 20%	0.59	0.46	0.58
SD73-101M	101	100 $\pm$ 20%	0.74	0.43	0.51
SD73-121M	121	120 $\pm$ 20%	0.94	0.36	0.46
SD73-151M	151	150 $\pm$ 20%	1.2	0.34	0.40
SD73-181M	181	180 $\pm$ 20%	1.4	0.32	0.38
SD73-221M	221	220 $\pm$ 20%	1.9	0.28	0.32
SD73-271M	271	270 $\pm$ 20%	2.3	0.22	0.29

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

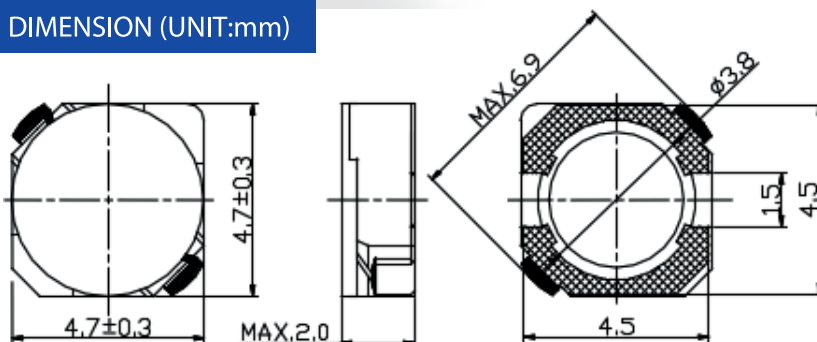
DRH4D18 Series

TYPE DRH4D18

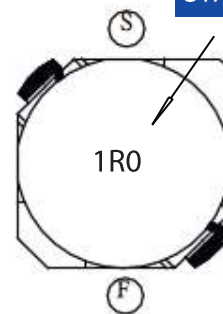
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH4D18-1R0N	1R0	1.0 $\pm$ 30%	35	2.46	2.34
DRH4D18-1R8N	1R8	1.8 $\pm$ 30%	45	1.92	2.29
DRH4D18-2R3N	2R3	2.3 $\pm$ 30%	52	1.56	1.87
DRH4D18-3R1N	3R1	3.1 $\pm$ 30%	70	1.44	1.53
DRH4D18-3R7N	3R7	3.7 $\pm$ 30%	79	1.40	1.38
DRH4D18-4R7N	4R7	4.7 $\pm$ 30%	117	1.24	1.1
DRH4D18-5R6N	5R6	5.6 $\pm$ 30%	130	1.12	1.1
DRH4D18-6R4N	6R4	6.4 $\pm$ 30%	134	1.06	1.02
DRH4D18-7R2N	7R2	7.2 $\pm$ 30%	142	0.99	1.01
DRH4D18-9R5N	9R5	9.5 $\pm$ 30%	192	0.91	0.95
DRH4D18-100M	100	10 $\pm$ 20%	174	0.82	0.95
DRH4D18-120M	120	12 $\pm$ 20%	183	0.79	0.80
DRH4D18-150M	150	15 $\pm$ 20%	210	0.67	0.68
DRH4D18-180M	180	18 $\pm$ 20%	294	0.62	0.67
DRH4D18-220M	220	22 $\pm$ 20%	346	0.59	0.63
DRH4D18-270M	270	27 $\pm$ 20%	396	0.55	0.61
DRH4D18-330M	330	33 $\pm$ 20%	565	0.48	0.54
DRH4D18-390M	390	39 $\pm$ 20%	614	0.42	0.46
DRH4D18-470M	470	47 $\pm$ 20%	798	0.40	0.41
DRH4D18-560M	560	56 $\pm$ 20%	912	0.36	0.41
DRH4D18-680M	680	68 $\pm$ 20%	1153	0.33	0.31
DRH4D18-820M	820	82 $\pm$ 20%	1329	0.31	0.31
DRH4D18-101M	101	100 $\pm$ 20%	1514	0.29	0.28
DRH4D18-121M	121	120 $\pm$ 20%	1983	0.28	0.25
DRH4D18-151M	151	150 $\pm$ 20%	2292	0.21	0.25
DRH4D18-181M	181	180 $\pm$ 20%	3200	0.21	0.19

DIMENSION (UNIT:mm)



STAMPING



NOT INCLUDING THE DIMENSIONS OF TERMINAL.

* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

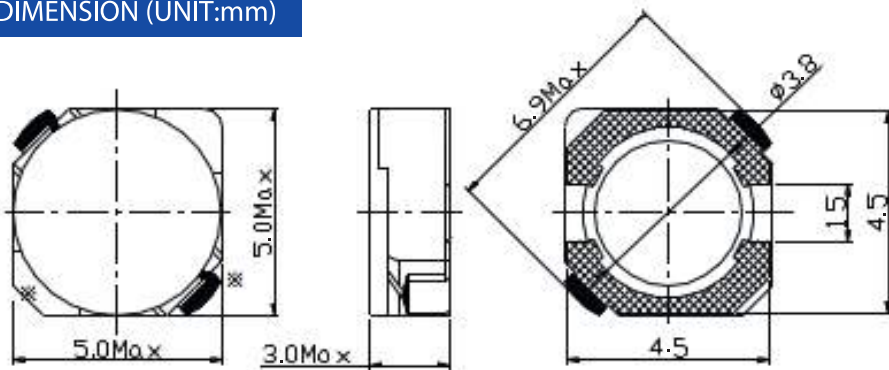
DRH4D28 Series

TYPE DRH4D28

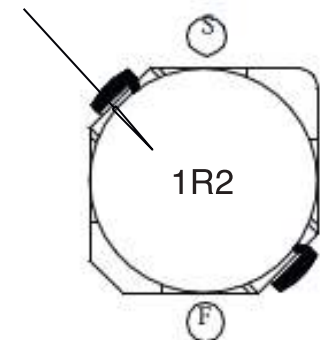
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH4D28-1R2N	1R2	1.2 $\pm$ 30%	17.0	3.52	3.63
DRH4D28-1R8N	1R8	1.8 $\pm$ 30%	19.8	2.87	3.13
DRH4D28-2R2N	2R2	2.2 $\pm$ 30%	23.1	2.72	3.08
DRH4D28-2R7N	2R7	2.7 $\pm$ 30%	26.3	2.56	3.00
DRH4D28-3R6N	3R6	3.6 $\pm$ 30%	35.6	2.39	2.42
DRH4D28-4R4N	4R4	4.4 $\pm$ 30%	40.3	1.99	2.24
DRH4D28-5R1N	5R1	5.1 $\pm$ 30%	44.2	1.80	2.14
DRH4D28-6R4N	6R4	6.4 $\pm$ 30%	59.7	1.56	1.86
DRH4D28-7R4N	7R4	7.4 $\pm$ 30%	64.9	1.46	1.81
DRH4D28-8R2N	8R2	8.2 $\pm$ 30%	87.9	1.40	1.43
DRH4D28-100M	100	10 $\pm$ 20% 94.1	1.35	1.38	
DRH4D28-120M	120	12 $\pm$ 20% 108	1.15	1.32	
DRH4D28-150M	150	15 $\pm$ 20% 118	1.02	1.25	
DRH4D28-180M	180	18 $\pm$ 20% 127	0.95	1.16	
DRH4D28-220M	220	22 $\pm$ 20% 205	0.87	0.89	
DRH4D28-270M	270	27 $\pm$ 20% 234	0.79	0.86	
DRH4D28-330M	330	33 $\pm$ 20% 286	0.68	0.79	
DRH4D28-390M	390	39 $\pm$ 20% 309	0.65	0.74	
DRH4D28-470M	470	47 $\pm$ 20% 400	0.59	0.66	
DRH4D28-560M	560	56 $\pm$ 20% 430	0.54	0.62	
DRH4D28-680M	680	68 $\pm$ 20% 611	0.49	0.50	
DRH4D28-820M	820	82 $\pm$ 20% 677	0.46	0.50	
DRH4D28-101M	101	100 $\pm$ 20%	743	0.42	0.50
DRH4D28-121M	121	120 $\pm$ 20%	1040	0.37	0.38
DRH4D28-151M	151	150 $\pm$ 20%	1150	0.32	0.36
DRH4D28-181M	181	180 $\pm$ 20%	1302	0.30	0.35

DIMENSION (UNIT:mm)



STAMPING



UNFIXED POSITION

- * THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.
- * NOT INCLUDING THE DIMENSIONS OF TERMINAL.

- * Idc1: CORE SATURATION CURRENT
- * Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

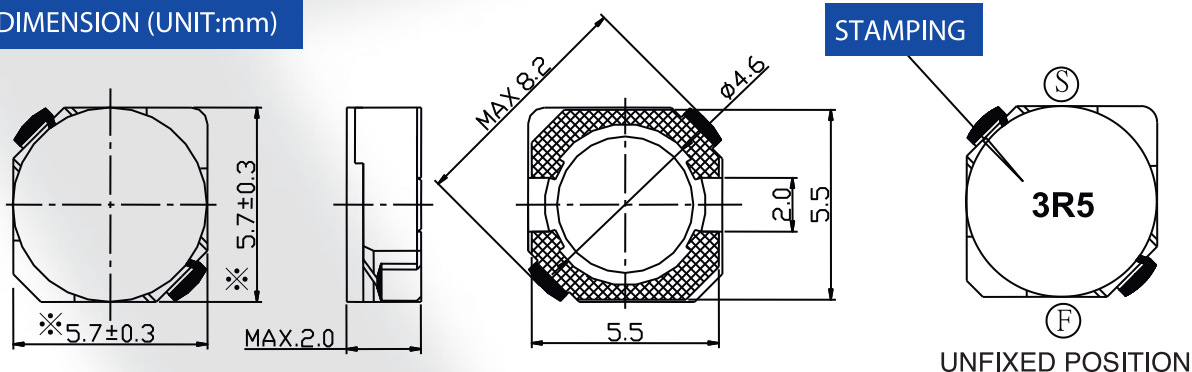
DRH5D18 Series

TYPE DRH5D18

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH5D18-3R5N	3R5	3.5 $\pm$ 30%	40.4	1.97	2.20
DRH5D18-4R2N	4R2	4.2 $\pm$ 30%	53.4	1.85	2.12
DRH5D18-5R4N	5R4	5.4 $\pm$ 30%	69.1	1.61	1.88
DRH5D18-6R5N	6R5	6.5 $\pm$ 30%	76.7	1.46	1.82
DRH5D18-7R9N	7R9	7.9 $\pm$ 30%	101	1.33	1.50
DRH5D18-100M	100	10 $\pm$ 20%	118	1.20	1.39
DRH5D18-120M	120	12 $\pm$ 20%	129	1.10	1.31
DRH5D18-150M	150	15 $\pm$ 20%	150	0.97	1.12
DRH5D18-180M	180	18 $\pm$ 20%	186	0.89	1.09
DRH5D18-220M	220	22 $\pm$ 20%	228	0.80	0.90
DRH5D18-270M	270	27 $\pm$ 20%	281	0.75	0.83
DRH5D18-330M	330	33 $\pm$ 20%	327	0.65	0.79
DRH5D18-390M	390	39 $\pm$ 20%	454	0.57	0.64
DRH5D18-470M	470	47 $\pm$ 20%	515	0.55	0.60
DRH5D18-560M	560	56 $\pm$ 20%	577	0.50	0.55
DRH5D18-680M	680	68 $\pm$ 20%	664	0.46	0.54
DRH5D18-820M	820	82 $\pm$ 20%	900	0.41	0.45
DRH5D18-101M	101	100 $\pm$ 20%	967	0.36	0.44
DRH5D18-121M	121	120 $\pm$ 20%	1124	0.35	0.43

DIMENSION (UNIT:mm)



- * THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.
- * NOT INCLUDING THE DIMENSIONS OF TERMINAL.

- * Idc1: CORE SATURATION CURRENT
- * Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

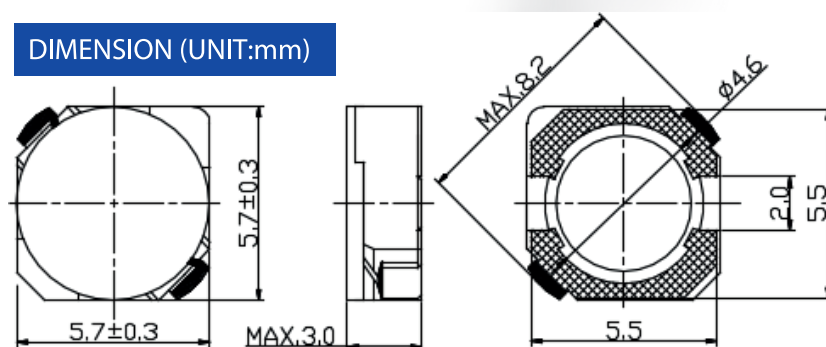
DRH5D28 Series

TYPE DRH5D28

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH5D28-2R7M	2R7	2.7 $\pm$ 30%	19.7	2.77	3.68
DRH5D28-3R3M	3R3	3.3 $\pm$ 30%	23.2	2.45	3.40
DRH5D28-4R2M	4R2	4.2 $\pm$ 30%	26.1	2.20	2.94
DRH5D28-5R1M	5R1	5.1 $\pm$ 30%	30.2	2.00	2.92
DRH5D28-6R2M	6R2	6.2 $\pm$ 30%	40.9	1.80	2.38
DRH5D28-8R5M	8R5	8.5 $\pm$ 30%	48.8	1.55	2.06
DRH5D28-100M	100	10 $\pm$ 20%	58.5	1.30	1.90
DRH5D28-120M	120	12 $\pm$ 20%	68.9	1.20	1.61
DRH5D28-150M	150	15 $\pm$ 20%	87.9	1.12	1.43
DRH5D28-180M	180	18 $\pm$ 20%	93.0	1.00	1.39
DRH5D28-220M	220	22 $\pm$ 20%	105	0.91	1.24
DRH5D28-270M	270	27 $\pm$ 20%	152	0.85	1.01
DRH5D28-330M	330	33 $\pm$ 20%	167	0.75	0.98
DRH5D28-390M	390	39 $\pm$ 20%	184	0.70	0.98
DRH5D28-470M	470	47 $\pm$ 20%	200	0.62	0.87
DRH5D28-560M	560	56 $\pm$ 20%	263	0.58	0.72
DRH5D28-680M	680	68 $\pm$ 20%	298	0.52	0.66
DRH5D28-820M	820	82 $\pm$ 20%	389	0.46	0.61
DRH5D28-101M	101	100 $\pm$ 20%	437	0.42	0.60
DRH5D28-121M	121	120 $\pm$ 20%	604	0.37	0.49
DRH5D28-151M	151	150 $\pm$ 20%	682	0.33	0.49
DRH5D28-181M	181	180 $\pm$ 20%	779	0.30	0.47
DRH5D28-221M	221	220 $\pm$ 20%	1166	0.28	0.37
DRH5D28-271M	271	270 $\pm$ 20%	1172	0.25	0.35
DRH5D28-331M	331	330 $\pm$ 20%	1669	0.22	0.28
DRH5D28-391M	391	390 $\pm$ 20%	1852	0.20	0.27
DRH5D28-471M	471	470 $\pm$ 20%	2076	0.19	0.27
DRH5D28-561M	561	560 $\pm$ 20%	2337	0.17	0.24

DIMENSION (UNIT:mm)



* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.
 ※ NOT INCLUDING THE DIMENSIONS OF TERMINAL.

STAMPING



UNFIXED POSITION

* Idc1: CORE SATURATION CURRENT
 * Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

DA32 Series

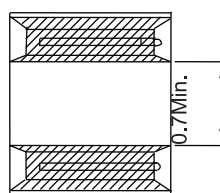
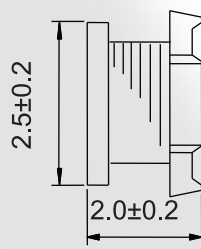
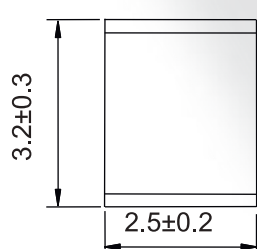
TYPE DA32

ELECTRICAL CHARACTERISTICS

PART NUMBER	INDUCTANCE WITHIN		D.C.R. (Ω) Max.	RATED CURRENT Max. (A)		SRF (MHz) Typ.
	L (μH)	TOLERANCE		Idc1	Idc2	
DA32-R27M	0.27	M	0.025	3.50	2.90	280
DA32-R75M	0.75		0.050	2.00	1.80	130
DA32-1R0M	1.0		0.060	1.70	1.80	120
DA32-1R5M	1.5		0.085	1.40	1.45	100
DA32-1R8M	1.8		0.09	1.30	1.45	90
DA32-2R2M	2.2		0.11	1.20	1.30	70
DA32-2R7M	2.7		0.12	1.10	1.20	65
DA32-3R3M	3.3		0.14	0.95	1.10	60
DA32-3R9M	3.9		0.18	0.90	1.00	55
DA32-4R7M	4.7		0.20	0.80	0.88	50
DA32-5R6M	5.6		0.22	0.75	0.88	43
DA32-6R8M	6.8		0.33	0.68	0.65	42
DA32-8R2M	8.2		0.35	0.63	0.65	40
DA32-100M	10.0		0.50	0.53	0.50	35
DA32-150M	15.0	K, M	0.65	0.46	0.46	30
DA32-180M	18.0		0.70	0.42	0.44	25
DA32-220M	22.0		1.00	0.38	0.40	22
DA32-270M	27.0		1.10	0.34	0.38	20
DA32-330M	33.0		1.55	0.30	0.32	18
DA32-390M	39.0		1.75	0.29	0.30	17
DA32-470M	47.0		2.40	0.25	0.24	14
DA32-560M	56.0		2.50	0.24	0.23	13
DA32-680M	68.0		3.10	0.22	0.22	12
DA32-820M	82.0		3.50	0.16	0.22	11
DA32-101K	100.0	K	5.00	0.15	0.15	11
DA32-121K	120.0		5.50	0.13	0.14	9
DA32-151K	150.0		6.50	0.12	0.14	8
DA32-181K	180.0		9.00	0.11	0.11	7
DA32-221K	220.0		10.0	0.11	0.11	6

M: ±20%, K: ±10%

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

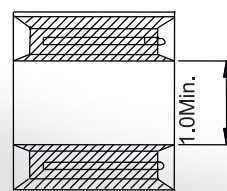
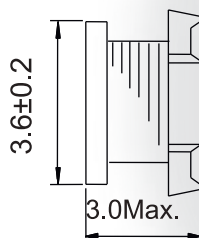
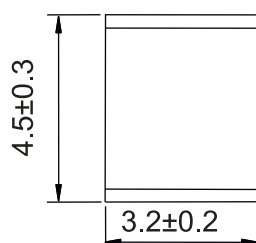
DA43 Series

TYPE DA43

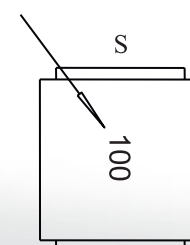
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω) Max.	RATED CURRENT Max. (A)		SRF (MHz) Typ.
				Idc1	Idc2	
DA43-1R0M	1R0	$1.0 \pm 20\%$	0.05	4.50	2.00	100.0
DA43-1R5M	1R5	$1.5 \pm 20\%$	0.06	3.80	1.45	85.0
DA43-2R2M	2R2	$2.2 \pm 20\%$	0.07	3.20	1.30	60.0
DA43-3R3M	3R3	$3.3 \pm 20\%$	0.12	2.50	0.95	47.0
DA43-4R7M	4R7	$4.7 \pm 20\%$	0.14	2.20	0.90	35.0
DA43-6R8M	6R8	$6.8 \pm 20\%$	0.22	1.80	0.70	30.0
DA43-100K	100	$10.0 \pm 10\%$	0.28	1.40	0.70	23.0
DA43-150K	150	$15.0 \pm 10\%$	0.36	1.20	0.50	20.0
DA43-220K	220	$22.0 \pm 10\%$	0.60	1.00	0.47	15.0
DA43-270K	270	$27.0 \pm 10\%$	0.75	0.90	0.41	13.5
DA43-330K	330	$33.0 \pm 10\%$	1.00	0.80	0.36	12.0
DA43-470K	470	$47.0 \pm 10\%$	1.30	0.70	0.34	10.0
DA43-560K	560	$56.0 \pm 10\%$	1.90	0.60	0.30	9.0
DA43-680K	680	$68.0 \pm 10\%$	2.20	0.55	0.24	8.4
DA43-101K	101	$100.0 \pm 10\%$	2.80	0.45	0.20	6.8
DA43-121K	121	$120.0 \pm 10\%$	3.50	0.40	0.18	6.2
DA43-151K	151	$150.0 \pm 10\%$	4.30	0.35	0.18	5.5
DA43-181K	181	$180.0 \pm 10\%$	5.00	0.33	0.16	5.0
DA43-221K	221	$220.0 \pm 10\%$	7.00	0.30	0.14	4.5
DA43-331K	331	$330.0 \pm 10\%$	9.00	0.22	0.13	3.6
DA43-471K	471	$470.0 \pm 10\%$	13.00	0.20	0.10	3.0
DA43-561K	561	$560.0 \pm 10\%$	15.00	0.19	0.10	2.8
DA43-681K	681	$680.0 \pm 10\%$	16.00	0.18	0.09	2.5
DA43-821K	821	$820.0 \pm 10\%$	18.50	0.17	0.09	2.2
DA43-102K	102	$1000.0 \pm 10\%$	24.00	0.15	0.08	2.0

DIMENSION (UNIT:mm)



STAMPING



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT



Elettronica Rossoni

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Elettronica Rossoni

**INDUSTRIAL
ELECTRONICS**

**CONSUMER
ELECTRONICS**

**AUTOMATION
TECHNOLOGY**

**COMMUNICATION
& ENTERTAINMENT
ELECTRONICS**

TOROID COMMON MODE SERIES

**LIGHTING
TECHNOLOGY**



Company Background

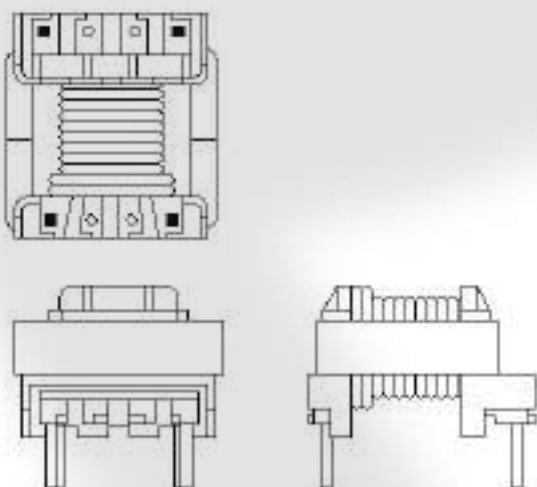
Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 2 A

TYPES

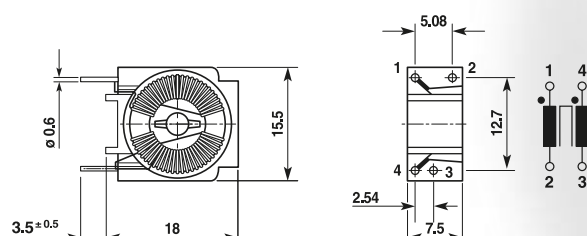
ERCT08V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

Pins are tinned

Pins distance tolerances ± 0.2 mm



ERCT08V

○ Pins

● Start of winding

Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
ERCT08V0301	0.3	1	180
ERCT08V0302	0.3	2.2	300
ERCT08V0303	0.3	4.7	400
ERCT08V0304	0.3	12	650
ERCT08V0500	0.5	1	100
ERCT08V0501	0.5	2.2	140
ERCT08V0600	0.6	4.4	220
ERCT08V1000	1	0.1	30
ERCT08V1001	1	1	60
ERCT08V1002	1	3	150
ERCT08V2000	2	1.1	70

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	3 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 2A

TYPES

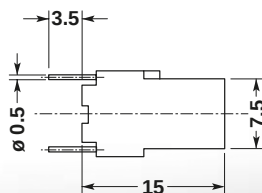
ERCT10V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

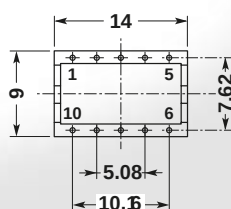
Pins are tinned

Pins distance tolerances ± 0.2 mm



ERCT10V

Vertical mounting



Standard



○ Pins

● Start of winding

Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
ERCT10V0301	0.3	1	180
ERCT10V0302	0.3	2.2	300
ERCT10V0303	0.3	4.7	400
ERCT10V0304	0.3	12	650
ERCT10V0501	0.5	1	100
ERCT10V0502	0.5	2.2	140
ERCT10V0600	0.6	4.4	220
ERCT10V1000	1	0.1	30
ERCT10V1001	1	1	60
ERCT10V1002	1	3	150
ERCT10V2000	2	1.1	70

Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
3 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.4 to 3.6A

TYPES

ERCT13H

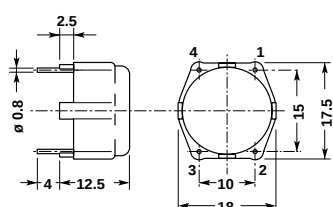
ERCT13V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

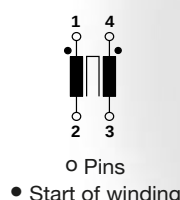
Max Dimensions in mm

Pins are tinned

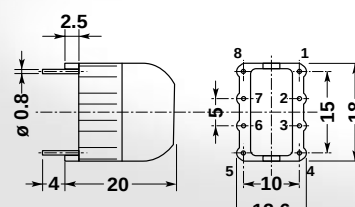
Pins distance tolerances ± 0.2 mm



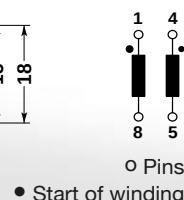
ERCT13H
Horizontal mounting



○ Pins
● Start of winding



ERCT13V
Vertical mounting



○ Pins
● Start of winding

Optional pins: 2-7/3-6

Types

Horizontal	Vertical	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
Code	Code			
ERCT13H0400	ERCT13V0400	0.4	39	2600
ERCT13H0401	ERCT13V0401	0.4	27	1000
ERCT13H0500	ERCT13V0500	0.5	18	940
ERCT13H0700	ERCT13V0700	0.7	10	360
ERCT13H1000	ERCT13V1000	1	6.8	400
ERCT13H1200	ERCT13V1200	1.2	6.8	330
ERCT13H1500	ERCT13V1500	1.5	3.3	100
ERCT13H2002	ERCT13V2002	2	1	40
ERCT13H2600	ERCT13V2600	2.6	0.4	60
ERCT13H3000	ERCT13V3000	3	1	50
ERCT13H3600	ERCT13V3600	3.6	0.4	15

Technical Data

Rated current:

Rated inductance:

Inductance tolerance:

Inductance loss:

Testing voltage:

Climatic category:

DC resistance:

Derating operating current:

Overtemperature of windings:

Max. permissible temperature of windings:

Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature at +20°C and 10 kHz, 0.1 mA.

+50 -30%

< 10% at DC initial loading with IR

1500 V -50 Hz, 2 sec, winding to winding

DIN GKC (-40 to +125°C; humidity cat. C)

at +20°C

at +120°C ambient temperature I=0

< 55°C

115 °C

10 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 3A

TYPES

ERCT16H

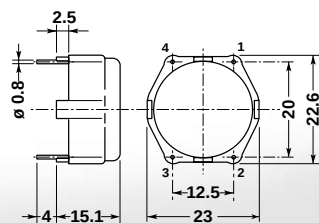
ERCT16V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

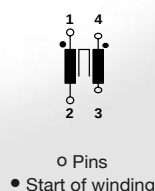
Max Dimensions in mm

Pins are tinned

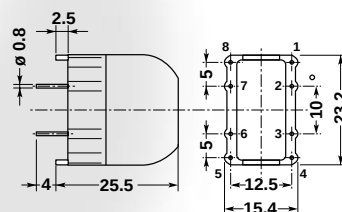
Pins distance tolerances ± 0.2 mm



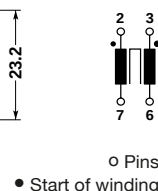
ERCT16H
Horizontal mounting



o Pins
• Start of winding
Dimensions in mm
Pins are tinned



ERCT16V
Vertical mounting



o Pins
• Start of winding
Optional pins: 1-8/4-5

Types

Horizontal	Vertical	Rated current per winding	Rated inductance per winding	DC resistance per winding (typical)
Code	Code	A	mH	mΩ
ERCT16H0300	ERCT16V0300	0.3	47	1400
ERCT16H0500	ERCT16V0500	0.5	27	900
	ERCT16V0501	0.5	39	1100
	ERCT16V0502	0.5	47	1200
	ERCT16V0600	0.6	18	480
	ERCT16V0800	0.8	15	360
	ERCT16V0801	0.8	27	500
	ERCT16V0802	0.8	18	400
ERCT16H1000	ERCT16V1000	1	10	450
	ERCT16V1001	1	15	540
	ERCT16V1002	1	5	300
	ERCT16V1200	1.2	10	400
	ERCT16V1500	1.5	6.8	260
ERCT16H2000	ERCT16V2000	2	2.2	70
	ERCT16V2500	2.5	3.3	120
ERCT16H3000	ERCT16V3000	3	1.1	70

Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:

Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C

13 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.5 to 4A

TYPES

ERCT20H

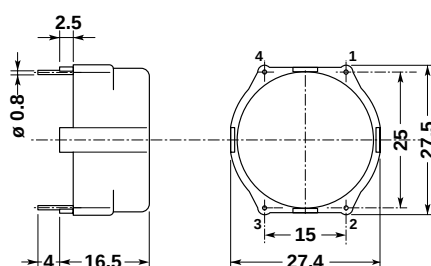
ERCT20V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

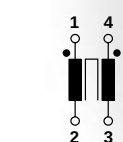
Pins are tinned

Pins distance tolerances ± 0.2 mm



ERCT20H

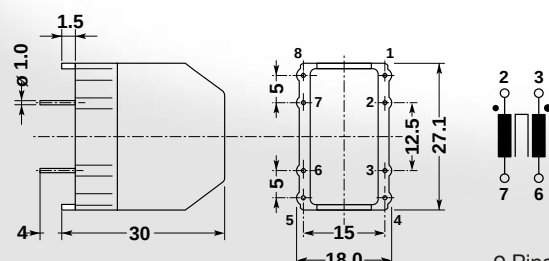
Horizontal mounting



○ Pins

● Start of winding

Dimensions in mm
Pins are tinned



ERCT20V

Vertical mounting

○ Pins

● Start of winding

Optional pins: 1-8/4-5

Types

Horizontal	Vertical	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
Code	Code			
ERCT20H0500	ERCT20V0500	0.5	56	2000
ERCT20H0600		0.6	47	1150
ERCT20H1000	ERCT20V1000	1	27	600
ERCT20H2000	ERCT20V2000	2	5.6	170
ERCT20H4000	ERCT20V4000	4	2.7	45

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	16 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.5 to 6A

TYPES

ERCT25H

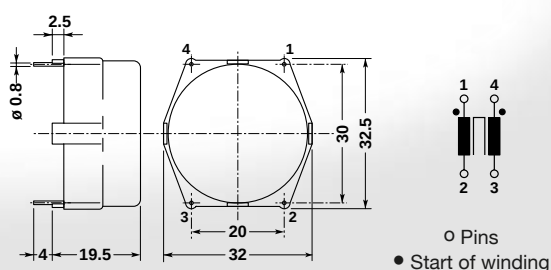
ERCT25V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

Pins are tinned

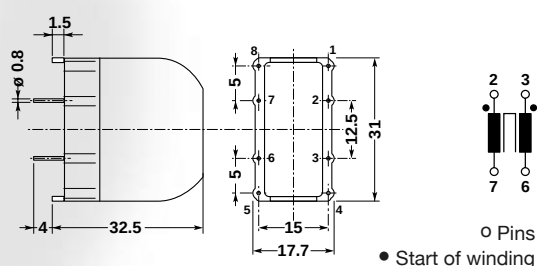
Pins distance tolerances ± 0.2 mm



ERCT25H

Horizontal mounting

Dimensions in mm
Pins are tinned



ERCT25V

Vertical mounting

Optional pins: 1-8/4-5

Types

Horizontal	Vertical	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
Code	Code			
ERCT25H0501	ERCT25V0501	0.5	82	1500
ERCT25H0500	ERCT25V0500	0.5	100	1500
ERCT25H1001	ERCT25V1001	1.0	33	630
ERCT25H1000	ERCT25V1000	1.0	47	750
ERCT25H1501	ERCT25V1501	1.5	27	490
ERCT25H1500	ERCT25V1500	1.5	22	330
ERCT25H2000	ERCT25V2000	2.0	6.8	139
ERCT25H2001	ERCT25V2001	2.0	10	230
ERCT25H4003	ERCT25V4003	4.0	3.3	68
ERCT25H4001	ERCT25V4001	4.0	3.9	61
		4.0	3.9	80
ERCT25H6000	ERCT25V6000	6.0	1.8	25
		6.0	1.8	38

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overttemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	28g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 1 to 10A

TYPES

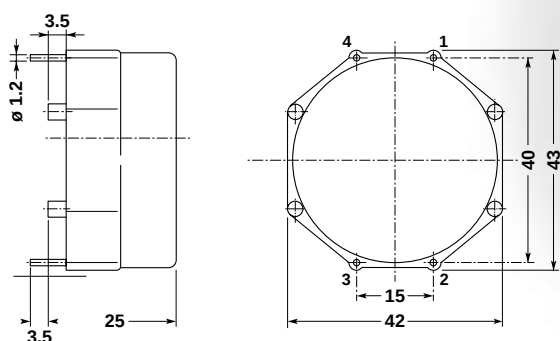
ERCT32H

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

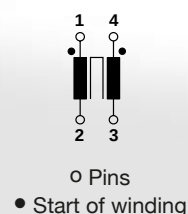
Pins are tinned

Pins distance tolerances $\pm 0.2\text{mm}$



Dimensions in mm
Pins are tinned

ERCT32H
Horizontal mounting



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
ERCT32H1000	1	68	1000
ERCT32H2000	2	18	230
ERCT32H4000	4	6.8	60
ERCT32H6000	6	3.9	38
ERCT32H8000	8	2.7	22
ERCT32HA000	10	1.8	14

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overttemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	63 g

The chokes are designed and tested in accordance with EN 138100 EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

- Verify periodically the results of planned Quality-Indicators referred to company processes;
- Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;
- Keep updated our personnel and their operative processes according to reference laws and regulations;
- Expand our productive capacity in China to enhance our market competitiveness;
- Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Elettronica Rossoni

**INDUSTRIAL
ELECTRONICS**

**CONSUMER
ELECTRONICS**

**AUTOMATION
TECHNOLOGY**

**COMMUNICATION
& ENTERTAINMENT
ELECTRONICS**

COMMON MODE SERIES

**LIGHTING
TECHNOLOGY**



Company Background

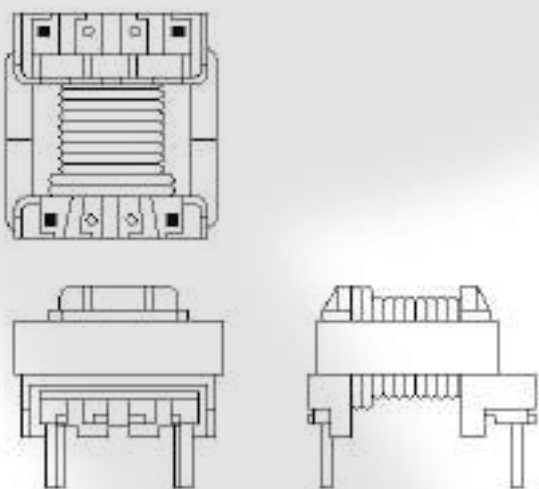
Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

COMMON MODE SERIES

Voltage 85-265Vac Current 0.25 to 0.4A

TYPES

ERCD26 EE0808

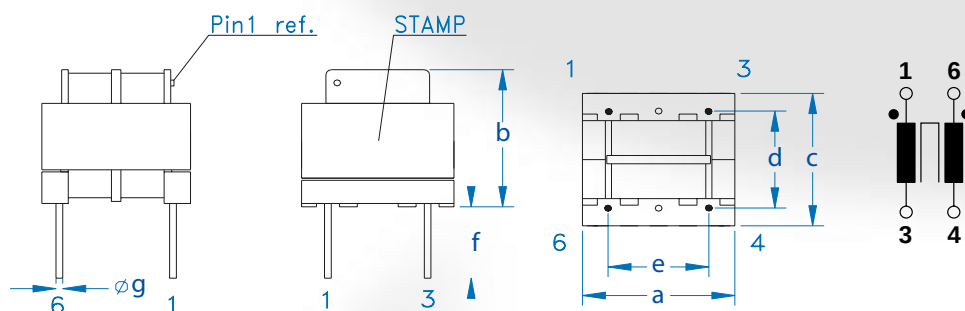
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR _{max} [Ω]	Stamp Code
ERCD26-02	0.40	4.7		/
ERCD26-01	0.35	7		/
ERCD26-00	0.25	9		ER2416

ERCD26		
a	= 10	MAX
b	= 8.7	MAX
c	= 9	MAX
d	= 6.7	±0.2
e	= 5.0	±0.2
f	= 3	±0.5
g	= 0.5	±0.05



Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	1.5 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-265Vac Current 0.24 to 0.54A

TYPES

ERCD18 EE1313

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

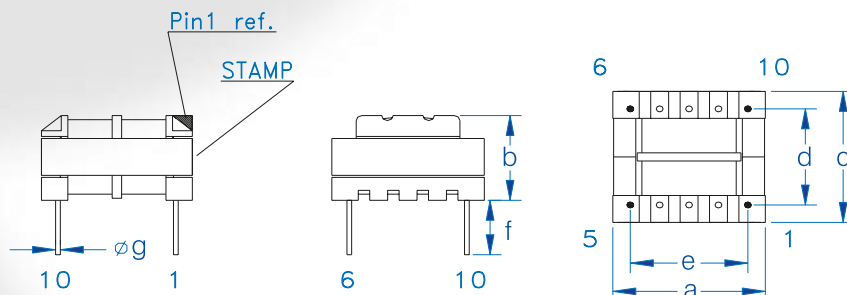
Dimensions in mm

Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR _{max} [Ω]	Stamp Code
ERCD18-00	0.54	12		
ERCD18-01	0.28	22		
ERCD18-02	0.26	27		
ERCD18-03	0.24	33		

ERCD18	
a	= 13.5 MAX
b	= 10.5 MAX
c	= 14.0 MAX
d	= 10.3 ±0,2
e	= 10,0 ±0,2
f	= 3,5 ±0,5
g	= 0,6 ±0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
3.8 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-265Vac Current 0.5 to 0.6A

TYPES

ERCD16 EE1616

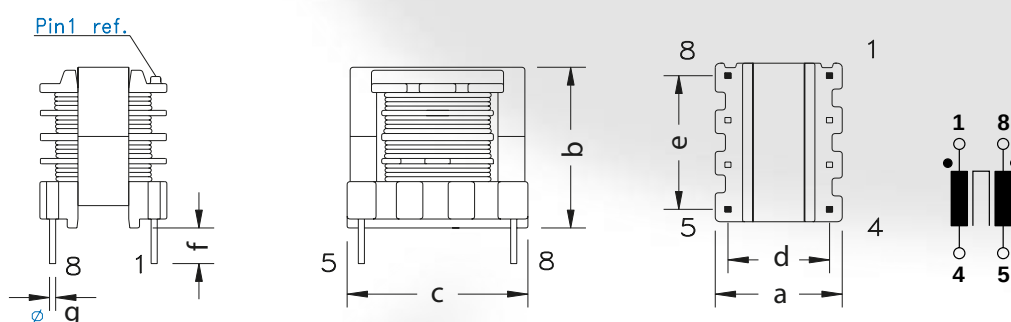
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCD16-00	0,6	15		/
ERCD16-01	0,5	27		ER2754

ERCD24
a = 13.0 MAX
b = 18.5 MAX
c = 18.0 MAX
d = 10.0 ±0,3
e = 15.0 ±0,3
f = 3.0 min
g = 0,6x0,6 ±0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
6 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 2 A

TYPES

ERCE20H EE2020

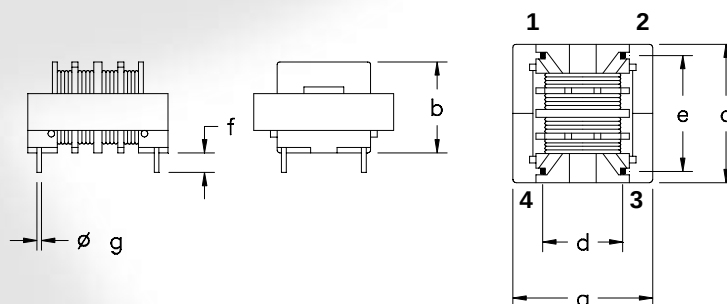
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	[mH] $\pm 10\%$	DCR_{max} [Ω]	Stamp Code
ERCE20H0300	0.3	2 X 56	2 X 2.4	
ERCE20H0301	0.35	2 x 47	2 x 1.9	
ERCE20H0400	0.45	2 x 39	2 x 1.5	
ERCE20H0500	0.52	2 x 27	2 x 1.1	
ERCE20H0600	0.62	2 x 10	2 x 0.78	
ERCE20H2000	2	2 x 1.8	2 x 0.45	

ERCE20H	
a =	21,0 MAX
b =	14,0 MAX
c =	21,0 MAX
d =	12,0 $\pm 0,3$
e = $\pm$	18,0 0,3
f = m	3,0 in
g = $\pm$	1,0 0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
11.8 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.32 to 1 A

TYPES

ERCE20V EE2020

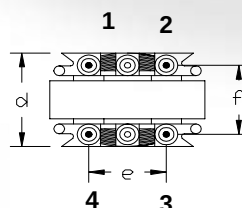
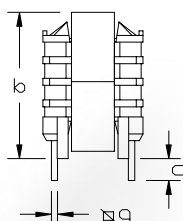
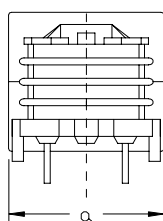
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCE20V0300	0.32	2 X 56	2.4	
ERCE20V0301	0.35	2 x 47	1.9	
ERCE20V0400	0.45	2 x 39	1.5	
ERCE20V0500	0.52	2 x 27	1.1	
ERCE20V0600	0.62	2 x 10	0.78	
ERCE20V1000	1	2 x 1,8	0.45	

ERCE20V	
a =	20.5 MAX
b =	20.5 MAX
c =	3.5 MAX
d =	13.5 ±0,2
e =	18,0 ±0,3
f =	9.5 min
g =	0.8 ±0,5



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
15.5 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-265Vac Current 0.15 to 0.25A

TYPES

ERCD24 EE2020

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm

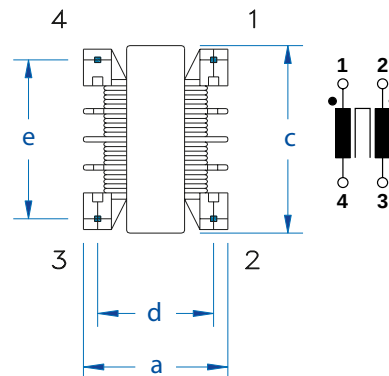
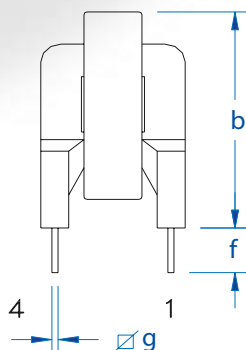
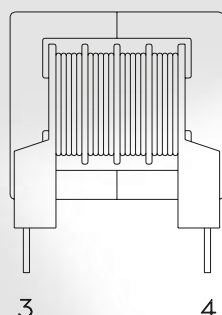
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR _{max} [Ω]	Stamp Code
ERCD24-00	0.15	5		/
ERCD24-01	0.8	22		/
ERCD24-02	0.25	100		ER1875-02

ERCD24?

a	=	14.3	MAX
b	=	15.3	MAX
c	=	16.3	MAX
d	=	17.3	±0,3
e	=	18.3	±0,3
f	=	19.3	MIN
	=	20.3	±0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
14 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.25 to 2 A

TYPES

ERCU08V UU08

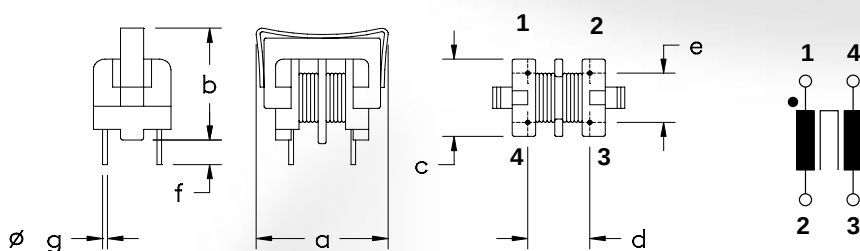
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCU08V0200	0,25	2 X 47	2	
ERCU08V0300	0,32	2 x 39	1.7	
ERCU08V0301	0,35	2 x 28	0.96	
ERCU08V0400	0,42	2 x 18	0.74	
ERCU08V0500	0,55	2 x 10	0.39	
ERCU08V2000	2	2 x 1.81	0,07	

ERCV08V	
a =	11.0 MAX
b =	16.5 MAX
c =	16.5 MAX
d =	7.0 ±0,3
e =	8.0 ±0,3
f =	3.5 min
g =	0.6 ±0,1



Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	3.8 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.35 -1.2A

TYPES

ERCU10V UU10

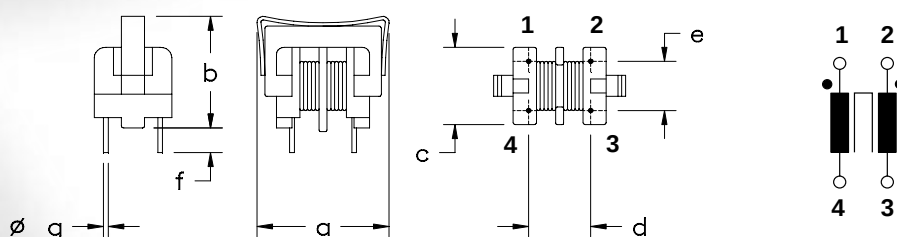
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCU10V0300	0.35	2 X 47	3.8	
ERCU10V0400	0.4	2 x 39	2.7	
ERCU10V0500	0.5	2 x 28	1.8	
ERCU10V0600	0.6	2 x 18	1.4	
ERCU10V0800	0.8	2 x 10	0.64	
ERCU10V1200	1.2	2 x 1.8	0.1	

ERCU10V	
a =	17.5 MAX
b =	17.5 MAX
c =	11.0 MAX
d =	8.0 ±0,5
e =	7.0 ±0,5
f =	4.0 ±1.0
g =	0.6 ±0.05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
4.5 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.65 -2.1A

TYPES

ERCU15V UU15

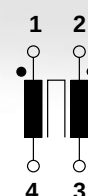
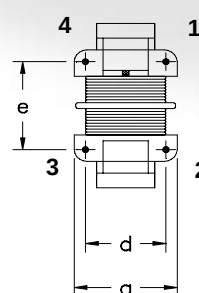
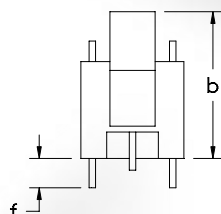
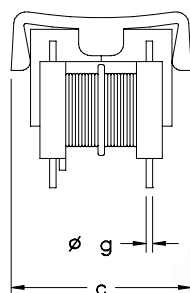
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCU15V0600	0.65	2 X 47	1.3	
ERCU15V0700	0.72	2 x 39	1	
ERCU15V0800	0.8	2 x 28	0.9	
ERCU15V1000	1.02	2 x 18	0.48	
ERCU15V1001	1.05	2 x 10	0.25	
ERCU15V2000	2.1	2 x 1.8	0.04	

ERCU15V	
a =	17.0 MAX
b =	25.0 MAX
c =	28.0 MAX
d =	12.5 ±0.1
e =	15.0 ±0.1
f =	5.0 ±0.2
g =	1.0 ±0.05



Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	10 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.95 -3.3A

TYPES

ERCU21V UU21

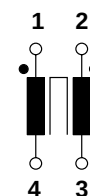
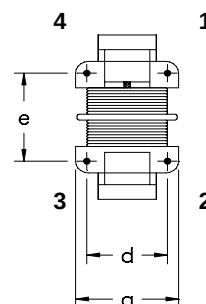
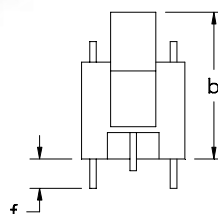
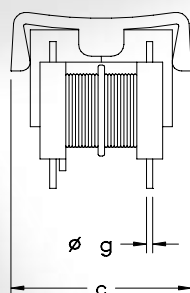
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCU21V0900	0.95	2 X 47	4.6	
ERCU21V1000	1.13	2 x 39	3.7	
ERCU21V1001	1.32	2 x 28	2.76	
ERCU21V1002	1.62	2 x 18	1.92	
ERCU21V1003	1.85	2 x 10	0.89	
ERCU21V3000	3.3	2 x 1.8	0.15	

ERCU21V	
a =	18.6 ±0.6
b =	31.6 +0.0-1.0
c =	36 MAX
d =	16.0 ±0.6-0.0
e =	20.9 ±1.2-0.0
f =	4.5 Ref
g =	



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
21 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Elettronica Rossoni

INDUSTRIAL
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AUTOMATION
TECHNOLOGY

COMMUNICATION
& ENTERTAINMENT
ELECTRONICS

TRANSFORMER MODULE AC / DC CONVERTER SERIES

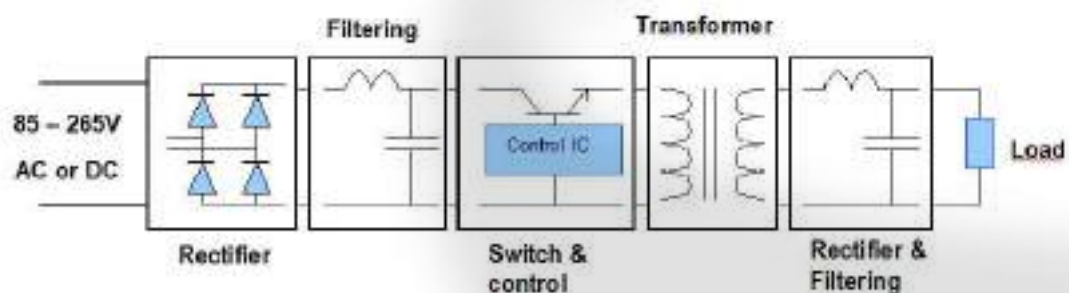
LIGHTING
TECHNOLOGY



AC / DC CONVERTER SERIES

ELETRONICA ROSSONI TRANSFORMER MODULE are Switched Mode Power Supplies based on Flyback topology. They constitute an interesting alternative to the traditional supply in the most common applications of power lower than 15W.

ENERGY SAVING due to high efficiency and low standby power





With the same footprint as TRADITIONAL TECHNOLOGY transformers, they will replace:

- 50 Hz Transformer
 - Fuse
 - Bridge Rectifier
 - Filtering Capacitor
- Regulated types will also replace linear regulator and heatsink

APPLICATIONS

- o Alternative to the linear transformers in all AC/DC applications of power up to 15W
- o Alternative to DC/DC converters for application in D.C.current (Telecom supplies, electric substations etc.)
- o Industrial, domestic and consumer electronics applications
- o Standby devices and others DC or AC auxiliary supplies

MAIN FEATURES

- o Wide input voltage range
- o Increased power: 3 x compared to standard transformer
- o Better energetic efficiency: 70% typical compared to 40% for the conventional supply
- o Very low Standby Power consumption: meets requirements of Energy Star or EC Code of Conduct
- o Same footprint as EI30 transformer : Upgrade your application without redesign of PCB

SAFETY STANDARDS

Meets all requirements of:

- o EN 60950
- o EN 60335
- o EN 61558-2-17
- o Uses UL listed components
- o Uses UL 94-V0 plastic and resin

EMC STANDARDS

Conducted and radiated emissions conform to

- o EN 55014-1
 - o EN 55022 class B
- Immunity conform to
- o EN 55014-2
 - o EN 61000-4-x

ONE OUTPUT 4W Regulated

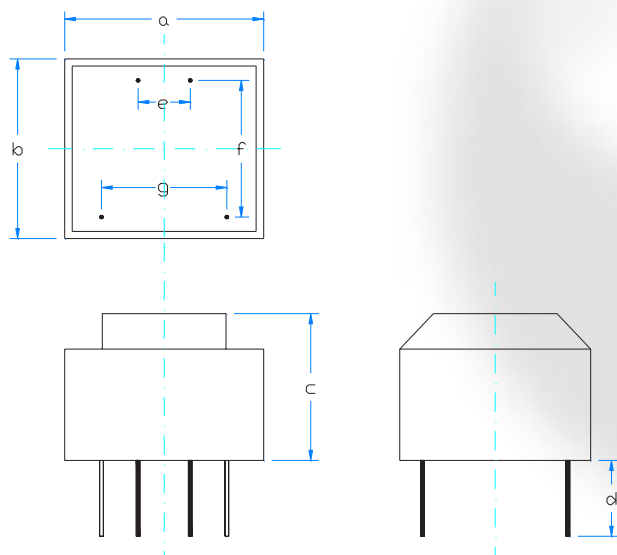
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0405-00	5V	800mA	4W	75	70
ETRS0409-00	9V	440mA	4W	75	70
ETRS0412-00	12V	330mA	4W	75	70
ETRS0415-00	15V	300mA	4W	75	70
ETRS0424-00	24V	230mA	4W	75	70



Misure Measures	Tolleranze	
	Tolerances	
a = 38	MAX	
b = 36	MAX	
c = 29.5	MAX	
d = 10	MIN	
e = 15	MAX	
f = 27.5	MAX	
g = 25	MAX	
		
Dimensioni / Unit: mm		

ONE OUTPUT 4W Regulated SPECIAL PINS LAYOUT

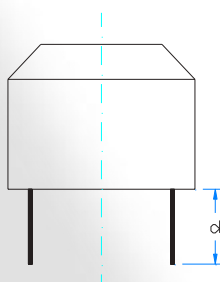
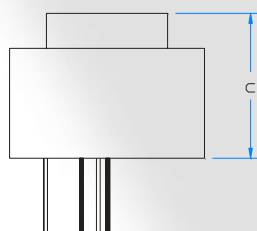
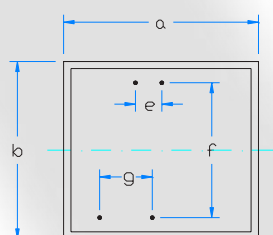
ELECTRICAL SPECIFICATIONS

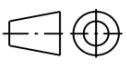
- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0405-10	5V	800mA	4W	75	70
ETRS0409-10	9V	440mA	4W	75	70
ETRS0412-10	12V	330mA	4W	75	70
ETRS0415-10	15V	300mA	4W	75	70
ETRS0424-10	24V	170mA	4W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 38	MAX
b = 36	MAX
c = 29.5	MAX
d = 10	MIN
e = 5	MAX
f = 27.5	MAX
g = 1 0	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 5W Regulated

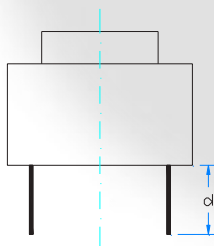
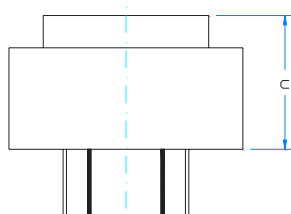
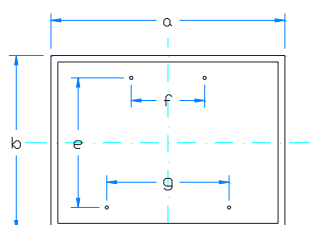
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0505-00	5V	1000mA	5W	75	70
ETRS0509-00	9V	550mA	5W	75	70
ETRS0512-00	12V	420mA	5W	75	70
ETRS0513-00	13V	390mA	5W	75	70
ETRS0515-00	15V	350mA	5W	75	70
ETRS0524-00	24V	210mA	5W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 5W Regulated SMART SERIES

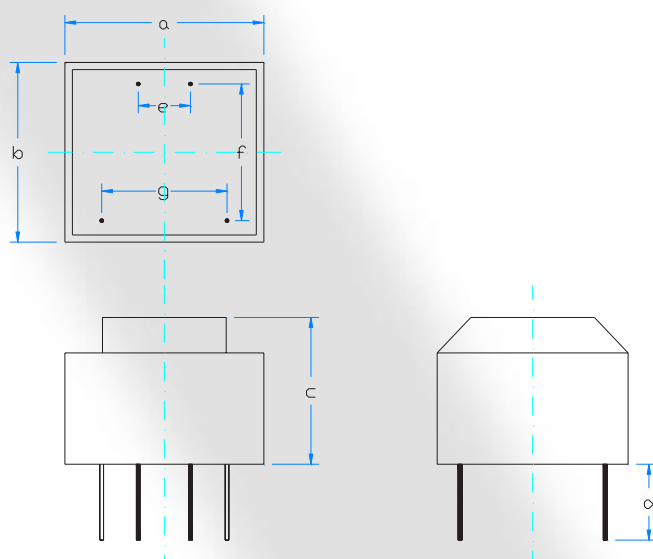
ELECTRICAL SPECIFICATIONS

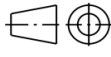
- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0512-10	12V	420mA	5W	75	70
ETRS0513-10	13V	390mA	5W	75	70
ETRS0515-10	15V	350mA	5W	75	70
ETRS0524-10	24V	210mA	5W	75	70



Misure Measures	Tolleranze Tolerances
a = 38	MAX
b = 36	MAX
c = 29.5	MAX
d = 10	MIN
e = 15	MAX
f = 27.5	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 9W Regulated

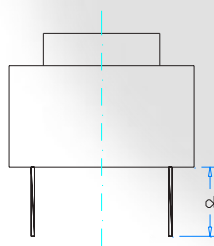
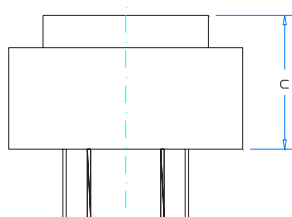
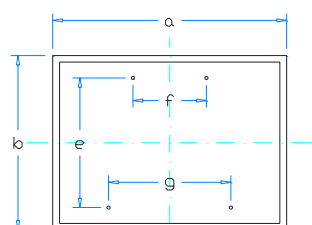
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0909-00	9V	1000mA	9W	75	70
ETRS0912-00	12V	695mA	9W	75	70
ETRS0915-00	15V	600mA	9W	75	70
ETRS0924-00	24V	375mA	9W	75	70



Misure Measures	Tolleranze Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX

Dimensioni / Unit: mm

ONE OUTPUT 9W Regulated SMART SERIES

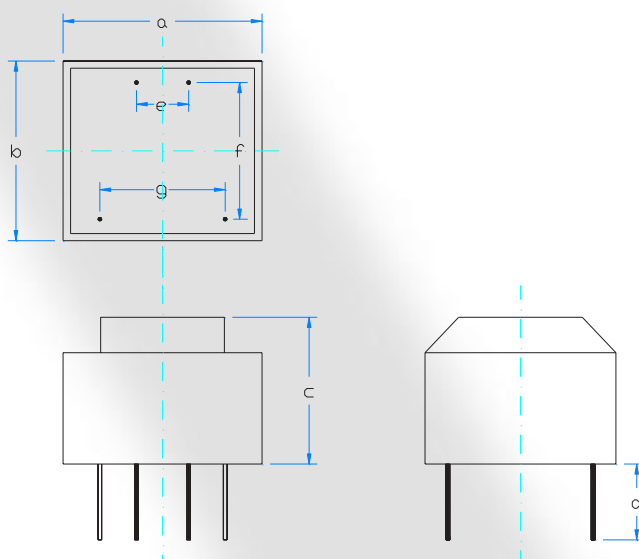
ELECTRICAL SPECIFICATIONS

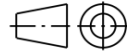
- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0912-10	12V	695mA	9W	75	70
ETRS0915-10	15V	600mA	9W	75	70
ETRS0924-10	24V	375mA	9W	75	70



Misure Measures	Tolleranze Tolerances
a = 38	MAX
b = 36	MAX
c = 29.5	MAX
d = 10	MIN
e = 15	MAX
f = 27.5	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 10W Regulated

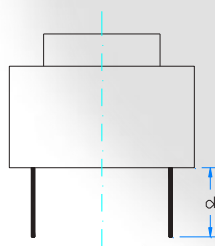
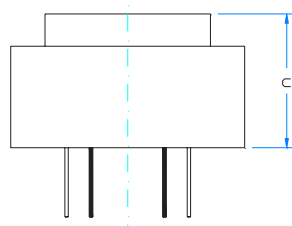
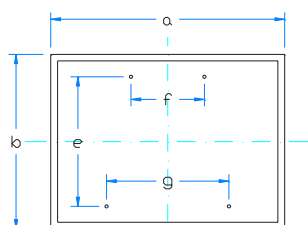
ELECTRICAL SPECIFICATIONS

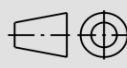
- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS1009-00	9V	1120mA	10W	75	70
ETRS0912-00	12V	850mA	10W	75	70
ETRS0915-00	15V	670mA	10W	75	70
ETRS0924-00	24V	420mA	10W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

TRANSFORMER MODULE

ONE OUTPUT 15W Regulated

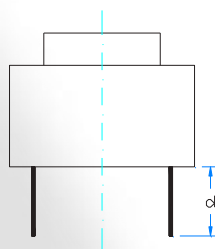
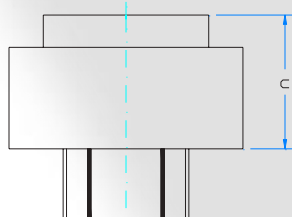
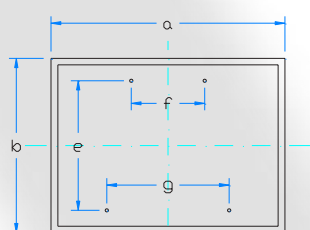
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS1512-00	12V	1250mA	15W	75	70
ETRS1515-00	15V	1000mA	15W	75	70
ETRS1524-00	24V	625mA	15W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
Dimensioni / Unit: mm	

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Elettronica Rossoni

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Elettronica Rossoni

**INDUSTRIAL
ELECTRONICS**

**DC
MOTOR**

**AUTOMATION
TECHNOLOGY**

AUTOMOTIVE

STAMPING METAL PART

**LIGHTING
TECHNOLOGY**



STAMPING METAL PART

Connector Series

CN01



Connector terminal

CN02



Connector female/male terminal

CN03



Connector Header Pin

CN04



Connector Header Pin

Dimensions in mm

Code	Material	Length	Width	Height
CN01	Brass (T=0.3mm)	7.5±0.1mm	3.5±0.05mm	2.2±0.05mm
CN02	Brass (T=0.3mm) OEM PRODUCT			
CN03	Brass (T=0.3mm) OEM PRODUCT			
CN04	Brass (T=0.3mm) OEM PRODUCT			

Brush Series

CR095



Brushed Assembled Components

F088



Brushed Assembled Components

FK130



Brushed Assembled Components

110



Brushed Assembled Components

FA130



Brushed Assembled Components

360



Brushed Assembled Components

5XX



Brushed Assembled Components

7712



Brushed Assembled Components

Dimensions in mm

Code	Material	Total Length	Front Width	Angle		Slot Width
				1	2	
CR095	Beryllium Copper T=0.09mm + Brass T=0.5	8.3±0.1mm	6.9±0.05mm	73±2°	154°	1.1mm
F088	Beryllium Copper T=0.09mm + Brass T=0.5	14.1±0.1mm	4.5±0.05mm	73±2°	172±2°	1.1mm
FK130	Beryllium Copper T=0.09mm + Brass T=0.5	10.7±0.1mm	2.5±0.05mm	73±2°	160±2°	0.6±0.1mm
110	Beryllium Copper T=0.09mm + Brass T=0.5	8.5±0.1mm	2.5±0.05mm	72±2°	172±2°	0.6±0.1mm
FA130	Beryllium Copper T=0.1mm + Brass T=0.2mm	9.5±0.1mm	2.5±0.1mm	103±2°	140°±2°	0.65mm
360	Beryllium Copper T=0.1mm + Brass T=0.4mm	8.4±0.1mm	14.2±0.1mm	63±2°	163±2°	0.65mm
5XX	Beryllium Copper T=0.1mm + Brass T=0.4mm	8.4±0.1mm	14.2±0.1mm	63±2°	163±2°	0.65mm
7712	Beryllium Copper T=0.12mm + Brass T=0.6mm	—	22.8±0.1mm	78±2°	163±2°	2mm

STAMPING METAL PART

Terminal Series

7724C



Terminal

0202-7912



Terminal

CR097



Terminal

SA23-U076-0.26



Terminal Spring

140



Terminal

FM40003-C42



Terminal

Dimensions in mm

Code	Material	Total Length	Front Width	Back Width	Slot Width
7724C	Brass T=0.5	17.95±0.1mm	4.8±0.05mm	8.0±0.1mm	0.45mm
CR097	Brass T=0.5	8.2±0.1mm	2.5±0.05mm	4.2±0.1mm	
140	Beryllium Copper T=0.12mm	6.5±0.1mm	2.5±0.05mm		
0202-7912	Brass T=0.5mm	20.1±0.1mm 18.8±0.1mm 9.0±0.1mm	6.2±0.1mm 4.7±0.1mm 2.9±0.1mm	6.25±0.1mm 10.0±0.1mm 9.0±0.1mm	
SA23-U076-0.26	Phospor Bronze T=0.4mm	20.0±0.1mm	4.4±0.5mm	5.6±0.1mm	
FM40003-C42	Brass T=0.5mm	29±0.1mm	3.0±0.1mm	11.5±0.1mm	

Retainer Series

Retainer 5.5



Retainer Components

903-CF



Retainer Components

Retainer 6.8



Retainer Components

7XX



Retainer Components

Dimensions in mm

Code	Material	Outer Diameter	Height
Retainer 5.5	Stainless Steel T=0.01mm	Φ5.5±0.1mm	4.8±0.05mm
Retainer 6.8	Stainless Steel T=0.10mm	Φ6.8±0.1mm	0.8±0.05mm
903-CF	Stainless Steel T=0.30mm	Φ18.5±0.1mm	1.6±0.05mm
7XX	Stainless Steel T=0.30mm	Φ22±0.1mm	2.4±0.05mm

STAMPING METAL PART

Carbon Brush Holder Series

JH-7724



Carbon Brush Holder

JH-SLB-054-002



Carbon Brush Holder

LH-308



Carbon Brush Holder

480A/B



Carbon Brush Holder

5521



Carbon Brush Holder

JH



Carbon Brush Holder

Dimensions in mm

Code	Material	Length	Width	Height
480A/B	Brass T=0,5mm	22.3±0.1mm	8.2±0.05mm	4.2±0.05mm
5521	Brass T=0,4mm	11.2±0.1mm	6.2±0.05mm	3.0±0.05mm
JH	Brass T=0,4mm	16.0±0.1mm	6.4±0.05mm	5.4±0.05mm
LH-308	Brass T=0,4mm	16.5±0.1mm	7.5±0.05mm	5.2±0.05mm
JH-7724	Brass T=0,5mm	22.3±0.1mm	10.2±0.05mm	7.5±0.5mm
JH-SLB-054-002	Brass T=0,4mm	10.5±0.1mm	5.5±0.05mm	4.45±0.5mm

Bush Retainer Series

7XX-JH



Bush Retainer

9XX



Bush Retainer

5.1X9



Curve Washer

CF-9121



Bush Retainer

Dimensions in mm

Code	Material	Outer Diameter	Internal Diameter	Height
7XX-JH	Phosphor Bronze T=0,20mm	Φ22.4mm		1.0±0.5mm
5.1X9	Brass T=0.5mm	Φ9.0±0.1mm	5.0±0.05mm	1.0±0.5mm
9XX	Phosphor Bronze T=0.4mm	Φ18.5±0.1mm	1.6±0.05mm	
CF-9121	Brass T=0.5mm	Φ27±0.1mm	1.5±0.05mm	

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Elettronica Rossoni

INDUSTRIAL
ELECTRONICS

CONSUMER
ELECTRONICS

AUTOMATION
TECHNOLOGY

COMMUNICATION
& ENTERTAINMENT
ELECTRONICS

EMI FILTER

LIGHTING
TECHNOLOGY



Company Background

Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

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P7 ~ P10

EMI
RPS TYPE



P32 ~ P34

EMI / INDUCTOR
TOROIDAL CORES
T TYPE



P11 ~ P21

EMI
RP TYPE



P35 ~ P36

EMI
S□H TYPE



P22 ~ P25

EMI
CTRC, CTNF
TYPE



P37 ~ P38

EMI
SM BEAD
SMB TYPE



P26

EMI
SUPPRESSION
CORES



P39 ~ P46

EMI
BEADS
FBS / FBD
FBR TYPE



P27 ~ P31

EMI
SLEEVE CORES
RH TYPE



P47 ~ P48

EMI
FERRITE - TILE

Terms and Definitions

**The other specification can be designed & produced also.*

EMI (Electromagnetic Interference)

A useful definition of EMI noise is any significant signal energy that causes unintended, undesirable circuit function or inadequate EMC performance.

AC Initial Permeability (μ_{iac}):

This is the limit value of magnetic core permeability at the origin of the virgin magnetization curve. It's given by the following formula:

$$\mu_{iac} = \frac{1}{\mu_0} \lim_{H \rightarrow 0} \frac{B}{H} \quad \begin{array}{l} \mu_0 : \text{permeability of vacuum} \\ B : \text{Magnetic flux density (gauss)} \\ H : \text{Strength of magnetic field} \end{array} \quad \mu_{iac} = \frac{L(\mu H) \times (OD+ID) \times 10^4}{4N^2 t(OD-ID)}$$

Inductance (L):

The magnetic flux linkages in Maxwells-turns per ampere of magnetizing current.

$$L = N \frac{d\phi}{di}$$

OD : Outside Dia.

ID : Inside Dia.

t : Height

Unit : mm

Inductance Factor (A_L):

Inductance factor is defined as the self inductance per unit turn of a coil of a given shape and dimension wound on a magnetic core, and is determined by the following formula:

$$A_L = \frac{L}{N^2} \text{ (nH/turn}^2\text{)} \quad \text{or} \quad A_L = \frac{\mu_i \times 4 \times t \times (OD-ID)}{(OD+ID) \times 10}$$

Curie Temperature (T_c):

Temperature at which a ferromagnetic material loses its ferromagnetism and becomes paramagnetic (μ approaches 1)

Relative Temperature Coefficient of Initial permeability ($\alpha_{\mu r}$):

This is the value obtained by dividing the temperature coefficient of the initial permeability (α_{μ}) by the initial permeability.

$$\alpha_{\mu} = \frac{\mu_2 - \mu_1}{\mu_1^2} \cdot \frac{1}{T_2 - T_1} \quad (T_2 > T_1) \quad \alpha_{\mu r} = \frac{\mu_2 - \mu_1}{\mu_1^2} \cdot \frac{1}{T_2 - T_1} \quad (T_2 > T_1)$$

μ_1 : Initial permeability at T_1
 μ_2 : Initial permeability at T_2

Specific Gravity (d)

It's calculated from its volume and weight, as shown below:

$$d = \frac{W}{V}$$

W: Weight of the magnetic core (g)

V: Volume of the magnetic core (cm³)

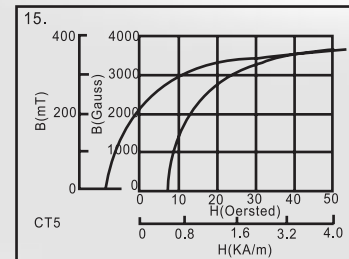
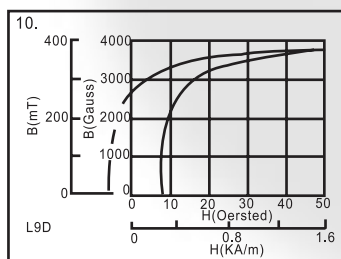
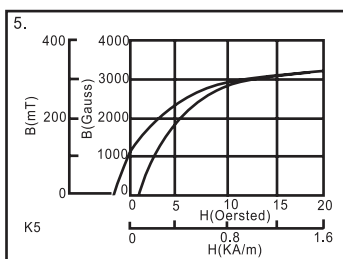
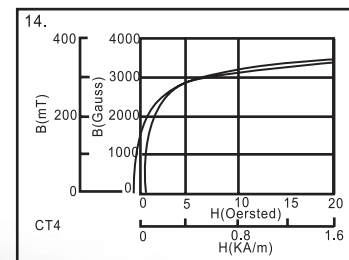
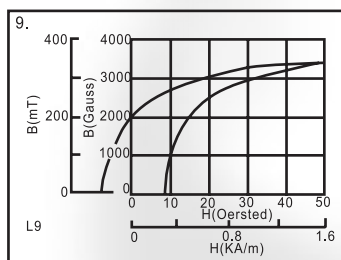
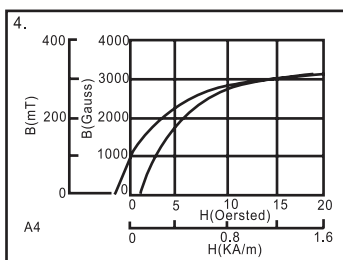
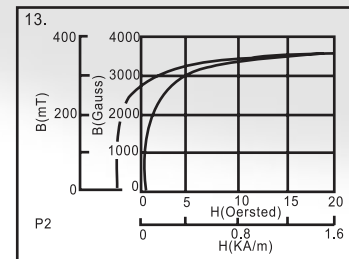
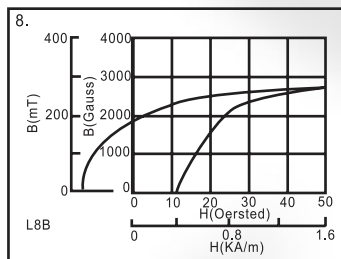
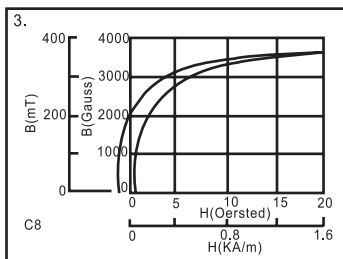
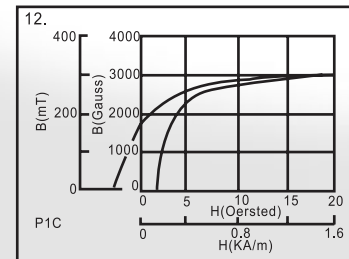
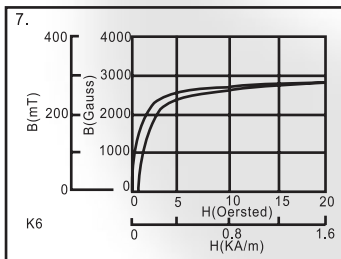
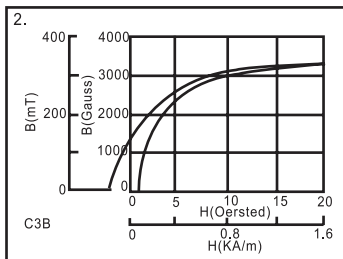
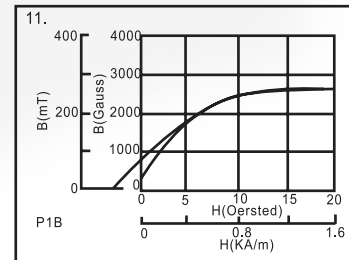
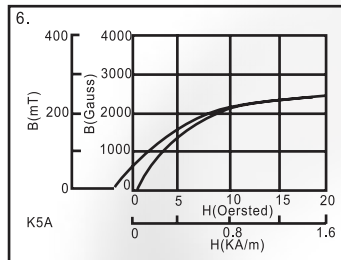
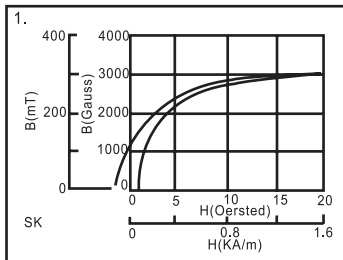
Soft Ferrite Materials

• Characteristics of materials

	Property	Applied Frequency Range	AC Initial Permeability	Curie Temperature	Specific Gravity	Relative Loss Factor	Relative Temp Coeff of initial Permeability
	Unit	MHz	±25%	°C	g/cm ³	x10 ⁻⁶ (MHz)	x10 ⁻⁶ /°C 20-70°C
NO	Symbol		μiac	Tc	d		α μi γ
1	SK	0.3-7	200	180	4.8	<705 7	15-35
2	SC	0.1-2	550	125	4.6	<90 2	8.0-35
3	C3B	0.1-2	300	150	4.9	<65 2	10-30
4	C8	0.3-7	200	250	4.7	<350 7	19-32
5	CT4	0.1-2	400	200	4.9	<80 2	10-30
6	CT5	0.1-1.5	400	150	4.8	<150 1.5	3-9
7	A4	0.1-1.5	400	190	4.5	<150 1.5	1-5
8	K5	0.1-1	1000	130	4.8	<280 1	2-5
9	K5A	0.1-1	700	140	4.8	<250 1	0-70
10	K6	0.01-0.5	1500	100	4.7	<75 0.5	0-3
11	L8B	0.5-20	55	300	4.5	<100 20	5.5-15
12	L9	0.5-30	50	300	4.8	<280 30	25-65
13	L9D	1.0-50	55	300	4.8	<600 50	30-80
14	P1B	0.1-2	550	125	4.6	<90 2	8-35
15	P1C	0.1-2	250	200	4.7	<110 2	3-10
16	P2	0.1-5	200	150	4.6	<100 5	25-65
17	P2D	0.1-3	300	150	4.5	<60 3	10-30
18	P2M	0.1-4	225	150	4.6	<90 4	10-40
19	P3	0.4-20	100	300	4.4	<160 20	55-130

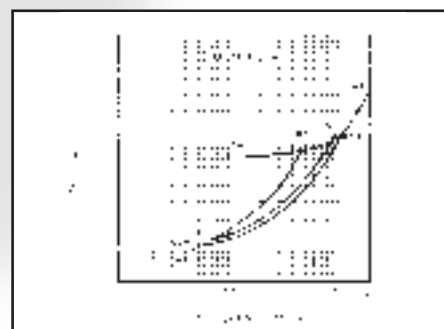
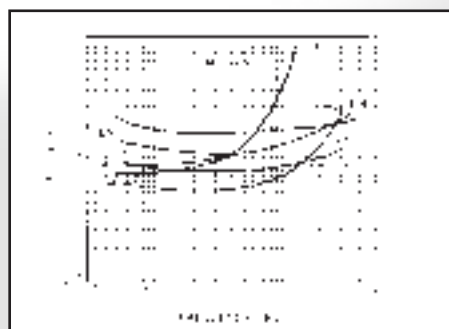
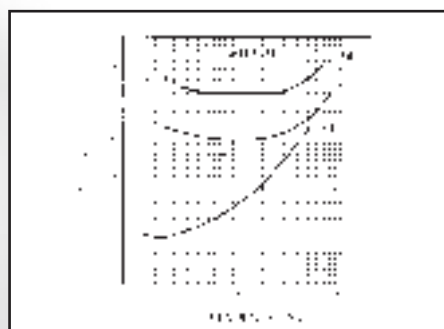
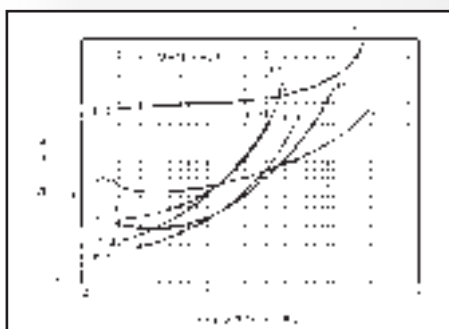
Static magnetization curves

**The other specification can be designed & produced also.*

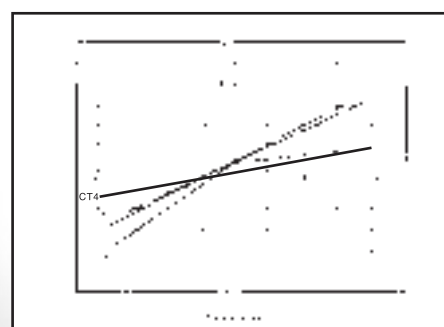
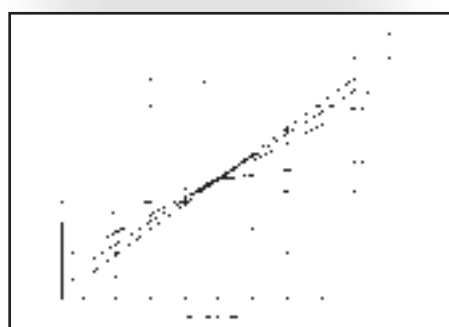
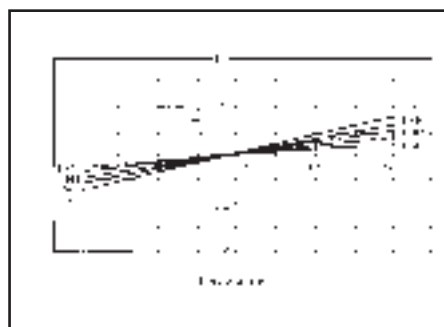
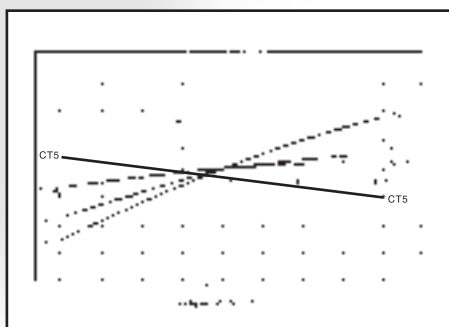


Relative loss factor Vs frequency

**The other specification can be designed & produced also.*



Inductance change Vs temperature



EMI Suppressor Clip Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



● Ordering Code

K5A	RPS	63.5	X	6.35	X	28.5	N1
(1)	(2)	(3)		(4)		(5)	(6)
(1) Material			(6) CLIP:N1 - Nylon		Clamp		
(2) Type Code			N2 - Nylon		Clamp		
(3) A : Dia			N3 - Nylon		Clamp		
(4) B : Dia			M1 - Metal		Clamp		
(5) D : Dia			M2 - Wire		Clamp		

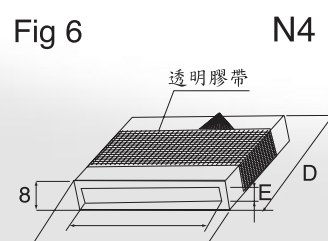
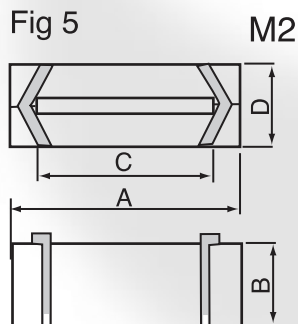
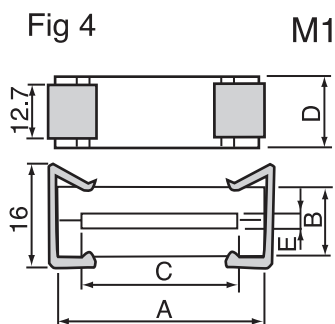
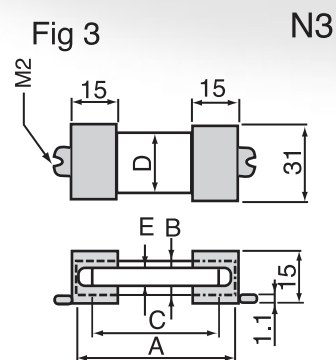
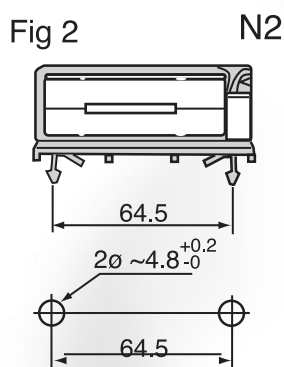
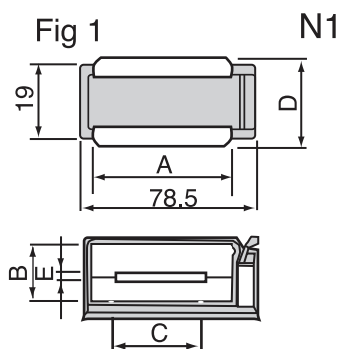
Split ferrite cores for ribbon cables

Elettronica Rossoni offers a selection of "split" components for postassembly operations and retrofit. It could provide excellent differential and common mode EMI suppression on flat cable assemblies.

Features: Precision formed smooth surfaces prevent damage to wire insulation.

Applications: Cables between pc boards and data connectors, floppy disk and hard disk ribbon cables, printer cables, retrofit, auxiliary EMI attenuation, internal ribbon cables with series digital signal busses.

● Shapes



EMI Suppressor Clip Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*

● Dimensions (Core Size) & Characteristics

Unit: mm

NO	ITEM	Fig	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
1	RPS 16X5X8 N4	6	16±0.3	5.0±0.3	11.5±0.3	8.0±0.2	0.5 ^{+0.6} _{-0.1}	25	80	1
2	RPS 16X5X12 N4	6	16±0.3	5.0±0.3	11.5±0.3	12.0±0.3	0.5 ^{+0.6} _{-0.1}	25	80	2
3	RPS 17X2.5X15 N4	6	17±0.2	2.5±0.2	13.0±0.15	15.0±0.2	0.4±0.1	20	55	3
4	RPS 25X5X10 N4	6	25±0.5	5.0±0.3	21.0±0.5	10.0±0.4	1.1±0.2	20	50	4
5	RPS 28.5X6.5X18 N4	6	28.5±0.6	6.5±0.4	23.5±0.5	18.0±0.6	1.0±0.3	35	95	5
6	RPS 33.5X6.5X12 N4	6	33.5±0.9	6.5±0.5	27.0±0.6	12.0±0.5	1.4±0.4	25	65	6
7	RPS 38X12.7X15M2	5	38±1	12.7±0.5	26.6±0.7	15.0±0.4	1.6±0.4	40	115	7
8	RPS 38X12.7X25.4M1	4	38±1	12.7±0.5	26.6±0.7	25.4±0.7	1.6±0.4	75	140	8
9	RPS 40X6.5X12 N4	6	40.0±1.0	6.5±0.5	35.0±0.7	12.0±0.5	1.4±0.4	25	72	9
10	RPS 45X12.7X15M2	5	45±1	12.7±0.5	34.4±0.7	15±0.4	1.6±0.4	40	90	10
11	RPS 45X12.7X28.5M1	4	45±1	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140	11
12	RPS 45X12.7X28.5N3	3	45±1	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140	12
13	RPS 49.6X6.5X12 N4	6	49.6±1.0	6.5±0.5	44.0±0.8	12.0±0.5	1.4±0.4	28	75	13
14	RPS 55.1X12.7X15M2	5	55.1±1	12.7±0.5	43.7±1	15±0.4	1.6±0.4	40	105	14
15	RPS 55.1X12.7X28.5M1	4	55.1±1	12.7±0.5	43.7±1	28.5±0.7	1.6±0.4	65	140	15
16	RPS 55.1X12.7X28.5N3	3	55.1±1	12.7±0.5	43.7±1	28.5±0.7	1.6±0.4	65	140	16
17	RPS 63.5X12.7X15M2	5	63.5±1.2	12.7±0.5	52±1	15±0.4	1.6±0.4	40	95	17
18	RPS 63.5X12.7X28.5M1	4	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	18
19	RPS63.5X12.7X28.5N1	1	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	19
20	RPS 63.5X12.7X28.5N2	2	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	20
21	RPS 63.5X12.7X28.5N3	3	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	21

EMI Suppressor Clip Ferrite Cores (for Flat Cable)

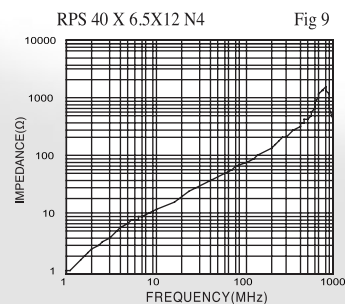
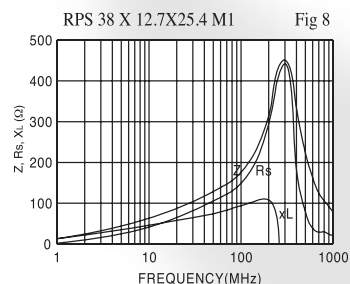
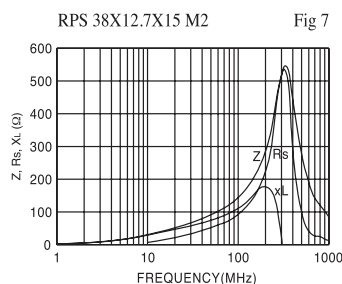
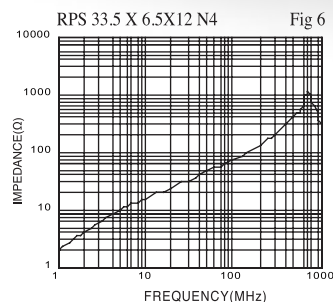
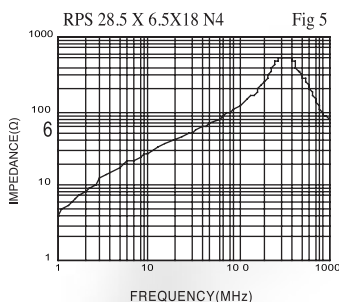
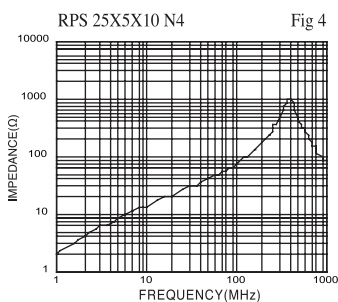
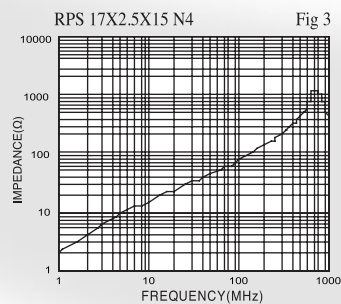
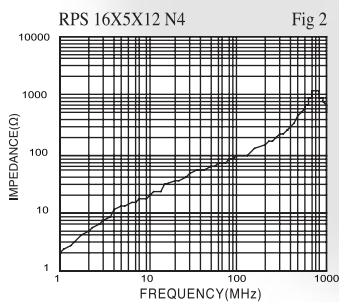
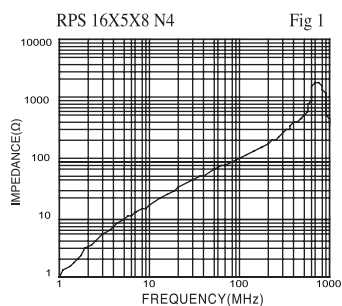
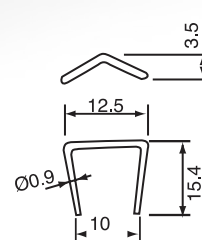
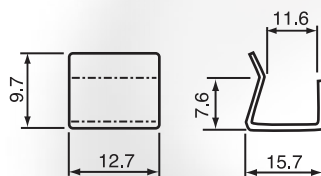
**The other specification can be designed & produced also.*

● Clip Material :

N1, N2, N3: Nylon-66 (UL)
Flame Class: 94V-2

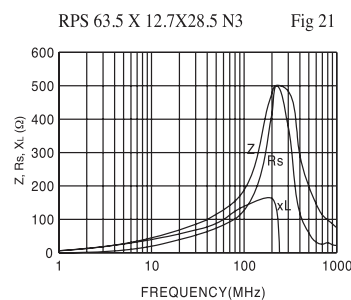
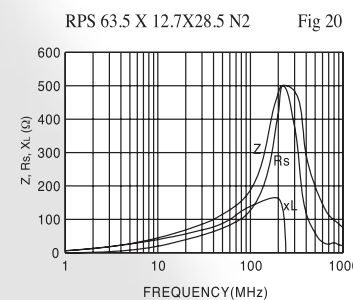
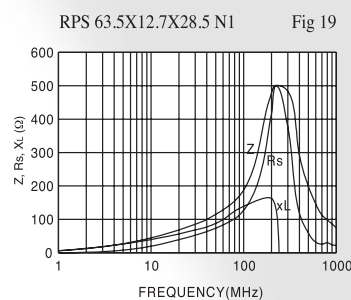
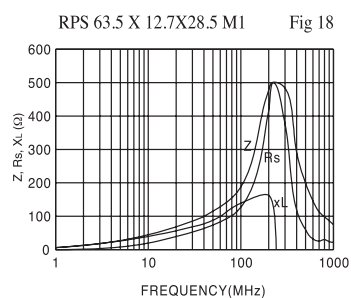
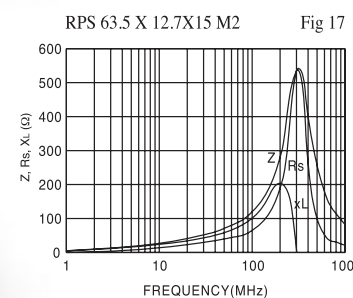
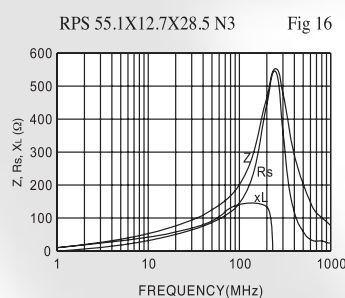
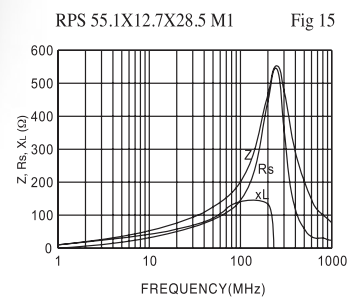
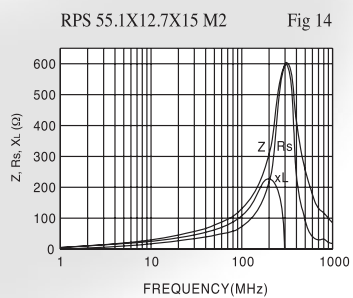
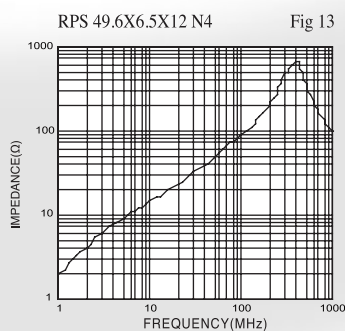
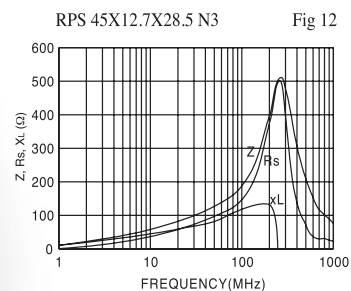
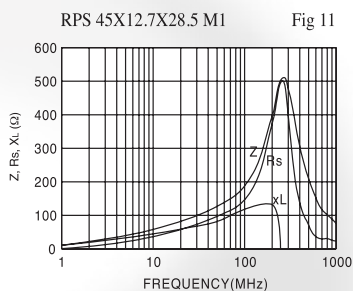
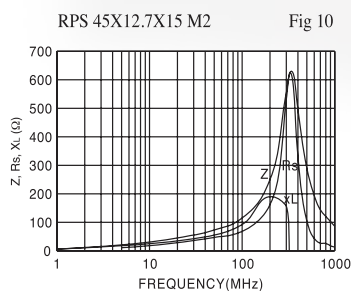
M1: Spring Steel
Nickel Coating

M2: Piano wire
Nickel Coating



EMI Suppressor Clip Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



● Ordering Code

RP 31 X 5 X 12
(1) (2) (3) (4)

(1) Type Code
(2) A Size

(3) B Size
(4) D Size

● Applications

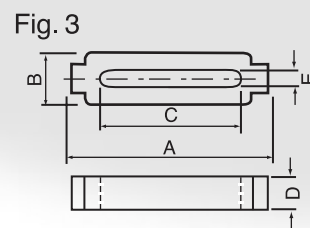
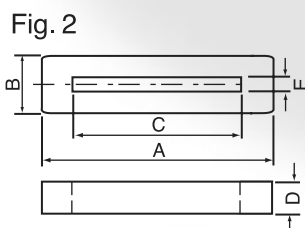
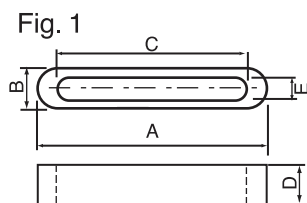
EMI Suppression on flat cable assemblies

Outline: Rectangular EMI suppression ferrites provide a costeffective means of reduction common mode EMI on flat, ribbon type cable assemblies. They are most frequently used to suppress EMI on the internal data cable assemblies of electronic equipment. by reducing the levels radiated by internal cables, these ferrites can reduce the cost and amount of overall shielding required to confine EMI within a product's enclosure.

Features: Slot lengths from 16mm to 60mm. Precision formed smooth surfaces prevent damage to wire insulation.

Application: Internal floppy disk and harddisk ribbon cables. Internal ribbon cables between circuit boards and data connectors. Internal ribbon cables with series digital signal busses.

● Shapes



● Dimensions (Core Size) & Characteristics

Unit: mm

NO	ITEM	Fig	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
1	RP 13.5X2.75X15	1	13.5±0.3	2.75±0.3	11.0±0.3	15.0±0.4	0.7±0.3	20	65	1
2	RP 16X4.5X12	1	16±0.3	4.5±0.3	11.5±0.3	12.0±0.5	0.5 ^{+0.6} _{-0.1}	30	80	2
3	RP 16X5X8 E=0.5	1	16±0.3	5.0±0.3	11.5±0.3	8.0±0.2	0.5 ^{+0.6} _{-0.1}	38	90	3
4	RP 16X5X8 E=1.3	1	16±0.3	5.0±0.3	11.5±0.3	8.0±0.2	1.3±0.2	20	50	4
5	RP 16X5X12 E=0.5	1	16±0.3	5.0±0.3	11.5±0.3	12.0±0.5	0.5 ^{+0.6} _{-0.1}	30	70	5
6	RP 16X5X12 E=1.3	1	16±0.3	5.0±0.3	11.5±0.3	12.0±0.5	1.3±0.2	30	65	6
7	RP 16X5X20 E=0.5	1	16±0.4	5.0±0.3	11.5±0.4	20.0±0.5	0.5 ^{+0.6} _{-0.1}	45	90	7
8	RP 16X5X20 E=1.3	1	16±0.4	5.0±0.3	11.5±0.4	20.0±0.5	1.3±0.2	45	90	8
9	RP 18X4.5X12	1	18±0.4	4.5±0.3	14.0±0.4	12.0±0.5	1.0±0.3	47	98	9

EMI Suppersor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*

NO	ITEM	Fig.	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
10	RP 18X5X8	1	18.0±0.4	5.0±0.3	14.0±0.4	8.0±0.4	1.0±0.3	24	55	10
11	RP 18X5X18	1	18.0±0.3	5.0±0.3	13.0±0.4	18.0±0.5	1.5±0.3	30	75	11
12	RP 19X4X15	1	19.0±0.4	4.0±0.3	13.5±0.6	15.0±0.4	1.52±0.3	20	60	12
13	RP 19X4.5X20	1	19.0±0.4	4.5±0.4	15.0±0.5	20.0±0.6	0.8±0.15	30	80	13
14	RP 19X6.5X12	1	19.0±0.4	6.5±0.2	13.45±0.3	12.0±0.3	1.5±0.15	30	60	14
15	RP 19X6.5X15	1	19.0±0.4	6.5±0.2	13.45±0.3	15.0±0.4	1.75±0.3	30	70	15
16	RP 20.5X3.5X10	1	20.5±0.5	3.5 ^{+0.15} _{-0.25}	16.5±0.4	10.0±0.4	0.5 ^{+0.6} _{-0.1}	20	65	16
17	RP 20.5X3.5X15	1	20.5±0.5	3.5 ^{+0.15} _{-0.25}	16.5±0.4	15.0±0.4	0.5 ^{+0.6} _{-0.1}	34	88	17
18	RP 22.35X7.75X19.05	2	22.35±0.51	7.75±0.38	14.0±0.4	19.05±0.64	1.5±0.25	68	120	18
19	RP 23.3X2.1X15	1	23.3±0.7	2.1 ^{+0.10} _{-0.20}	20.0±0.5	15.0±0.6	0.5 ⁺⁰ _{-0.2}	25	80	19
20	RP 23.3X3X5	1	23.3±0.7	3.0±0.3	20.0±0.5	5.0±0.4	0.9±0.3	12	45	20
21	RP 23.3X3X7	2	23.3±0.7	3.0±0.3	20.0±0.5	7.0±0.4	0.9±0.3	20	60	21
22	RP 23.3X5X7	1	23.3±0.7	5.0±0.3	20.0±0.5	7.0±0.4	0.9±0.3	15	50	22
23	RP 23.5X6.3X10	2	23.5±0.7	6.3±0.5	18.4±0.4	10.0±0.4	1.1±0.3	32	75	23
24	RP 23.5X6.3X15	2	23.5±0.7	6.3±0.5	18.4±0.4	15.0±0.4	1.1±0.3	35	80	24
25	RP 23.8X6.3X7	1	23.8±0.7	6.3±0.5	18.4±0.4	7.0±0.3	1.1±0.3	20	55	25
26	RP 23.8X6.3X15	1	23.8±0.7	6.3±0.5	18.4±0.4	15.0±0.4	1.1±0.3	30	80	26
27	RP 24.5X5X12	1	24.5±0.7	5.0 ⁺⁰ _{-0.7}	20.0±0.5	12.0±0.5	0.8±0.3	25	70	27
28	RP 24.5X5X20	1	24.5±0.7	5.0±0.3	20.0±0.5	20.0±0.6	0.8±0.2	30	75	28
29	RP 25X5X5	1	25.0±0.7	5.0±0.3	21.0±0.5	5.0±0.3	1.2±0.2	15	55	29
30	RP 25X5X12	1	25.0±0.7	5.0±0.4	21.0±0.5	12.0±0.5	1.3±0.2	27	75	30
31	RP 25X7.7X24	1	25.0±0.7	7.7±0.5	18.0±0.4	24.0±0.8	0.9±0.3	80	200	31
32	RP 26X5X6	1	26.0±0.8	5.0±0.3	22.5±0.6	6.0±0.3	0.9±0.3	15	50	32
33	RP 28X3.5X15	1	28.0±0.8	3.5 ^{+0.15} _{-0.25}	24.0±0.4	15.0±0.6	0.5 ^{+0.2} _{-0.15}	30	88	33
34	RP 28X6.5X15	1	28.0±0.8	6.5±0.5	23.0±0.5	15.0±0.6	1.0±0.3	30	85	34

EMI Suppersor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*

NO	ITEM	Fig.	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
35	RP 28X7.7X14.6	3	28.0 $\pm$ 0.8	7.7 $\pm$ 0.5	23.0 $\pm$ 0.5	14.6 $\pm$ 0.4	1.4 $\pm$ 0.4	38	85	35
36	RP 28X7.7X22	3	28.0 $\pm$ 0.8	7.7 $\pm$ 0.5	23.0 $\pm$ 0.5	22.0 $\pm$ 0.6	1.4 $\pm$ 0.4	45	90	36
37	RP 28X14X13		28.0 $\pm$ 1.0	14 $\pm$ 0.4	20.5 $\pm$ 0.8	13.0 $\pm$ 0.4	7.2 $\pm$ 0.5	30	60	37
38	RP 28.5X3.8X12	1	28.5 $\pm$ 0.8	3.8 $\pm$ 0.3	24.5 $\pm$ 0.8	12.0 $\pm$ 0.5	1.0 $\pm$ 0.3	15	65	38
39	RP 28.5X5X12	1	28.5 $\pm$ 0.8	5.0 $\pm$ 0.4	24.5 $\pm$ 0.8	12.0 $\pm$ 0.5	1.0 $\pm$ 0.3	25	75	39
40	RP 28.5X6.5X8	1	28.5 $\pm$ 0.8	6.5 $\pm$ 0.5	23.5 $\pm$ 0.5	8.0 $\pm$ 0.4	1.0 $\pm$ 0.3	15	40	40
41	RP 28.5X6.5X18	1	28.5 $\pm$ 0.8	6.5 $\pm$ 0.5	23.5 $\pm$ 0.5	18.0 $\pm$ 0.7	1.0 $\pm$ 0.3	40	95	41
42	RP 28.5X8X10	1	28.5 $\pm$ 0.8	8.0 $\pm$ 0.5	21.0 $\pm$ 0.5	10.0 $\pm$ 0.4	2.0 $\pm$ 0.4	28	67	42
43	RP 28.6X7.7X25	1	28.6 $\pm$ 0.8	7.7 $\pm$ 0.5	23.6 $\pm$ 0.8	25.0 $\pm$ 0.8	1.8 $\pm$ 0.2	45	95	43
44	RP 28.6X7.7X31	1	28.6 $\pm$ 0.8	7.7 $\pm$ 0.5	23.6 $\pm$ 0.8	31.0 $\pm$ 0.8	1.8 $\pm$ 0.2	55	105	44
45	RP 29X8X15	1	29.0 $\pm$ 0.8	8.0 $\pm$ 0.5	22.0 $\pm$ 0.6	15.0 $\pm$ 0.5	1.98 $\pm$ 0.3	30	90	45
46	RP 31X5X9	1	31.0 $\pm$ 0.8	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	9.0 $\pm$ 0.4	0.5 ^{+0.7} _{-0.1}	25	75	46
47	RP 31X5X12	1	31.0 $\pm$ 0.8	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	0.5 ^{+0.7} _{-0.1}	30	85	47
48	RP 31X5X22	1	31.0 $\pm$ 0.8	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	22.0 $\pm$ 0.6	0.5 ^{+0.7} _{-0.1}	46	130	48
49	R3P 31XX8.5X18 P2.34		31.0 $\pm$ 0.8	8.5 $\pm$ 0.5	27.5 $\pm$ 0.6	18.0 $\pm$ 0.5	0.65 $\pm$ 0.3		125	49
50	RP 32X6.5X9.5	1	32.0 $\pm$ 0.6	6.5 $\pm$ 0.5	28.0 $\pm$ 0.7	9.5 $\pm$ 0.5	2.8 $\pm$ 0.3	15	50	50
51	RP 32X8X9.7	1	32.0 $\pm$ 0.6	8.0 $\pm$ 0.5	25.0 $\pm$ 0.6	9.7 $\pm$ 0.5	1.0 $\pm$ 0.3		80	51
52	RP 33.5X3.5X15	1	33.5 $\pm$ 0.9	3.5 $\pm$ 0.3	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	1.4 $\pm$ 0.4	21	68	52
53	RP 33.5X4X12	1	33.5 $\pm$ 0.9	4.0 ⁺⁰ _{-0.2}	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	19	60	53
54	RP 33.5X4.5X15	1	33.5 $\pm$ 0.9	4.5 $\pm$ 0.2	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	1.4 $\pm$ 0.4	20	60	54
55	RP 33.5X5X12	1	33.5 $\pm$ 0.9	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	20	60	55
56	RP 33.5X6X12	1	33.5 $\pm$ 0.9	6.0 $\pm$ 0.5	30.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.1 $\pm$ 0.4	25	65	56
57	RP 33.5X6.5X8	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	8.0 $\pm$ 0.6	1.4 $\pm$ 0.4	15	45	57
58	RP 33.5X6.5X10	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	10.0 $\pm$ 0.6	1.4 $\pm$ 0.4	24	65	58
59	RP 33.5X6.5X12	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	25	65	59

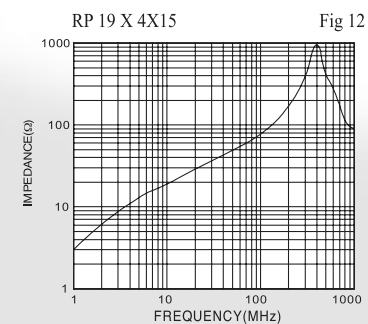
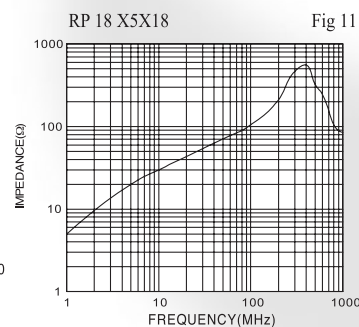
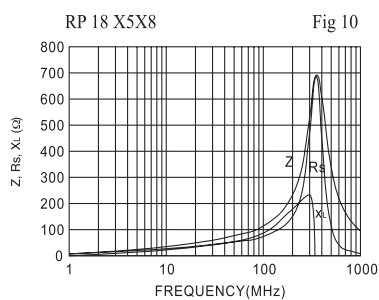
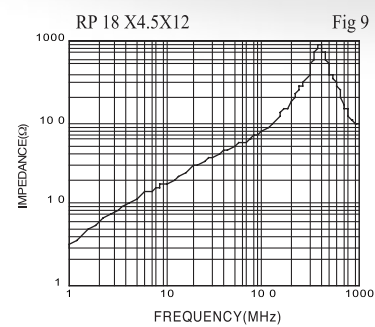
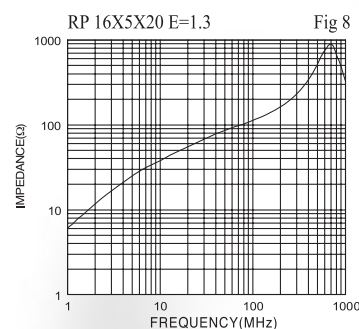
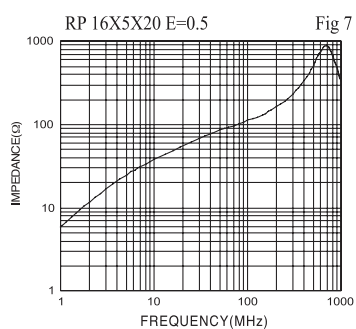
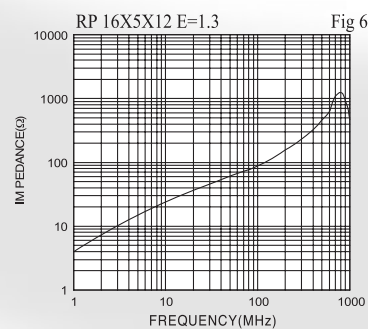
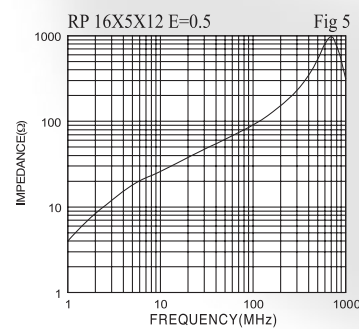
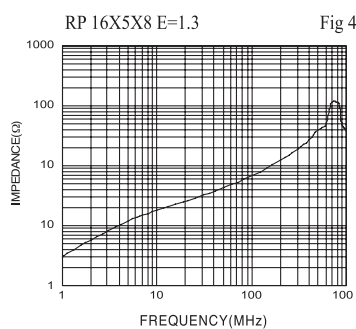
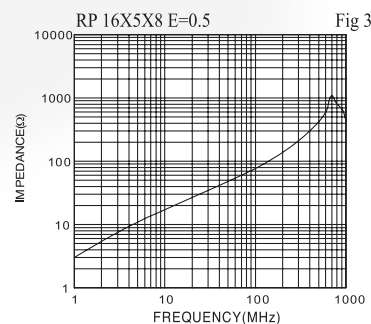
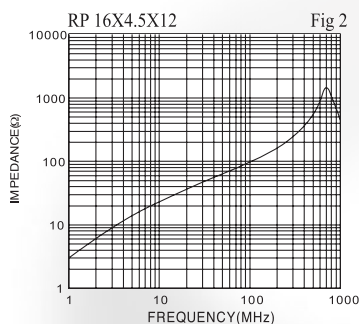
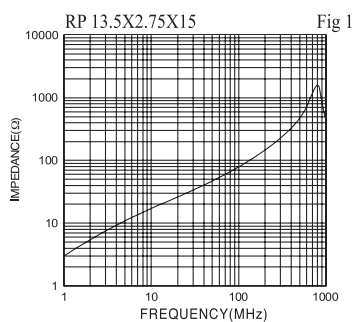
EMI Suppersor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*

NO	ITEM	Fig.	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
60	RP 33.5X6.5X15	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	1.4 $\pm$ 0.4	32	81	60
61	RP 33.5X6.5X20	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	20.0 $\pm$ 0.6	1.4 $\pm$ 0.4	35	85	61
62	RP 33.5X6.5X22	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	22.0 $\pm$ 0.8	1.4 $\pm$ 0.4	38	88	62
63	RP 33.5X7.4X10	1	33.5 $\pm$ 0.9	7.4 $\pm$ 0.5	27.0 $\pm$ 0.6	10.0 $\pm$ 0.5	2.2 $\pm$ 0.4	20	60	63
64	RP 33.5X7.4X15	1	33.5 $\pm$ 0.9	7.4 $\pm$ 0.5	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	2.2 $\pm$ 0.3	30	80	64
65	RP 37.7X6X15		37.7 $\pm$ 0.9	6.0 $\pm$ 0.5	33.7 $\pm$ 0.6	15.0 $\pm$ 0.6	0.85 $\pm$ 0.2	35	90	65
66	RP 38.1X12X25.4	2	38.1 $\pm$ 1.0	12.0 $\pm$ 0.6	26.7 $\pm$ 0.6	25.4 $\pm$ 0.8	1.9 $\pm$ 0.4	83	145	66
67	RP 38.5X4X12	1	38.5 $\pm$ 0.8	4.0 $\pm$ 0.3	34.5 $\pm$ 0.6	12.0 $\pm$ 0.5	0.87 ^{+0.4} _{-0.2}	15	65	67
68	RP 40X4X12	1	40.0 $\pm$ 1.0	4.0 ^{+0.5} _{-0.2}	31.0 $\pm$ 0.8	12.0 $\pm$ 0.5	0.7 ^{+0.5} _{-0.2}	20	65	68
69	RP 40X5X12	1	40.0 $\pm$ 1.0	5.0 $\pm$ 0.5	35.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.43 $\pm$ 0.5	15	60	69
70	RP 40X6.5X6	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	6.0 $\pm$ 0.3	1.4 $\pm$ 0.4	16	50	70
71	RP 40X6.5X12	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	25	72	71
72	RP 40X6.5X18	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	18.0 $\pm$ 0.6	1.4 $\pm$ 0.4	25	70	72
73	RP 40X6.5X20	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	20.0 $\pm$ 0.6	1.4 $\pm$ 0.4	30	80	73
74	RP 40X6.5X22	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	22.0 $\pm$ 0.6	1.4 $\pm$ 0.4	35	85	74
75	RP 45.1X12.5X11	2	45.1 $\pm$ 1.0	12.5 $\pm$ 0.5	38.0 $\pm$ 0.8	11.0 $\pm$ 0.4	2.1 $\pm$ 0.4	30	80	75
76	RP 45.1X12.5X28.6	2	45.1 $\pm$ 1.0	12.5 $\pm$ 0.5	34.5 $\pm$ 0.8	28.6 $\pm$ 0.8	1.5 $\pm$ 0.5	80	165	76
77	RP 45.2X6.5X12	1	45.2 $\pm$ 1.0	6.5 $\pm$ 0.5	40.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	24	72	77
78	RP 46X5X8	1	46 ^{+1.1} _{-0.8}	5.0 ⁺⁰ _{-0.8}	41.5 $\pm$ 0.8	8.0 $\pm$ 0.3	0.5 ^{+0.1} ₋₀	15	55	78
79	RP 46X5X12	1	46 ^{+1.1} _{-0.8}	5.0 ⁺⁰ _{-0.8}	41.5 $\pm$ 0.8	12.0 $\pm$ 0.5	0.5 ^{+0.1} ₋₀		44	79
80	RP 49.6X4X12	1	49.6 $\pm$ 1.0	4.0 $\pm$ 0.2	44.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	19	63	80
81	RP 49.6X6.5X12	1	49.6 $\pm$ 1.0	6.5 $\pm$ 0.5	44.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	22	68	81
82	RP 49.6X6.5X25	1	49.6 $\pm$ 1.0	6.5 $\pm$ 0.5	44.0 $\pm$ 0.8	25.0 $\pm$ 0.6	1.4 $\pm$ 0.4	30	90	82
83	RP 57.6X6.5X12	1	57.6 $\pm$ 1.2	6.5 $\pm$ 0.5	52.0 $\pm$ 1.0	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	22	70	83
84	RP 57.9X7X12	1	57.9 $\pm$ 1.2	7.0 $\pm$ 0.5	52.0 $\pm$ 1.0	12.0 $\pm$ 0.5	1.3 ^{+0.6} ₋₀	20	60	84

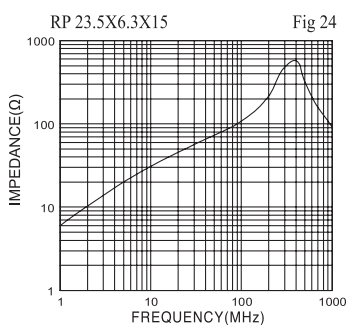
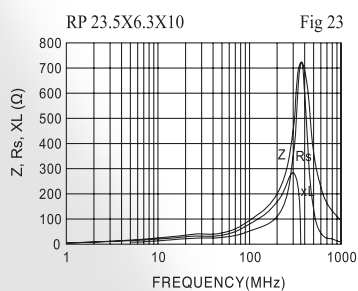
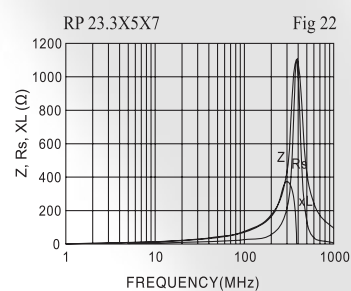
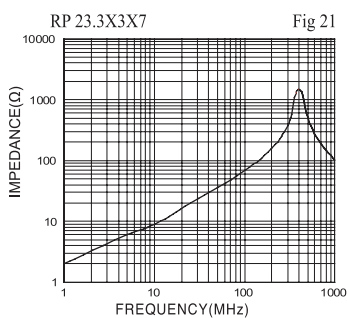
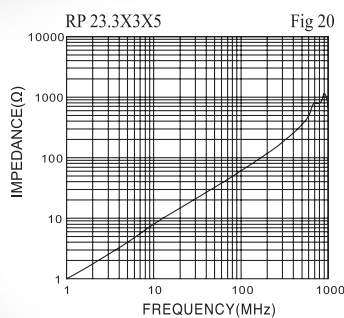
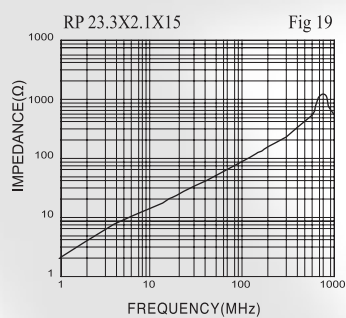
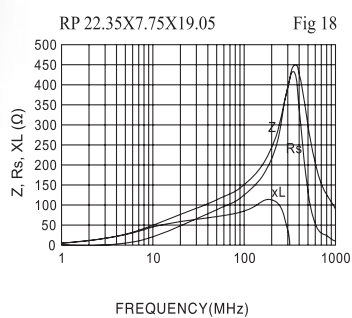
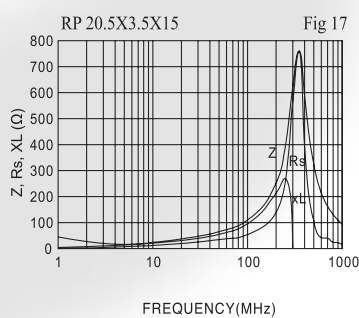
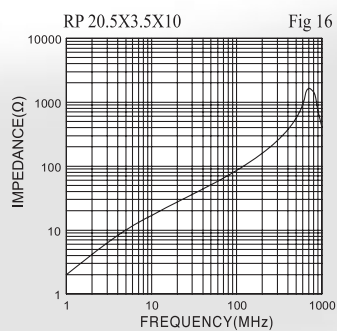
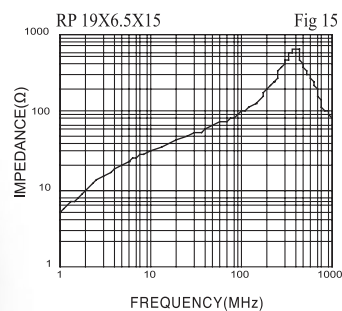
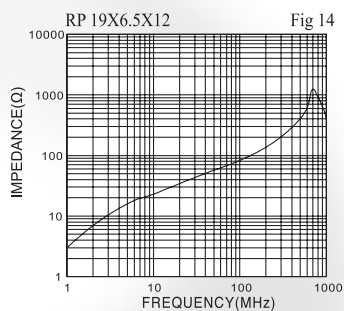
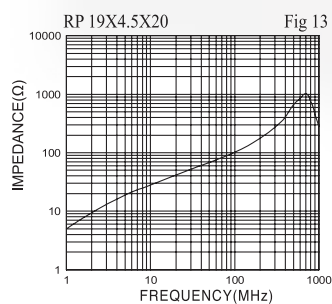
EMI Suppressor Ferrite Cores (for Flat Cable)

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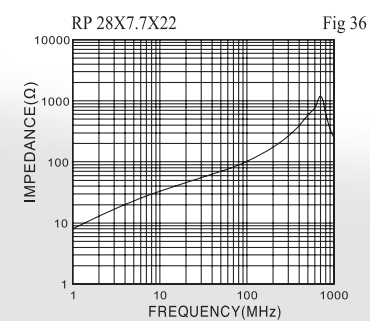
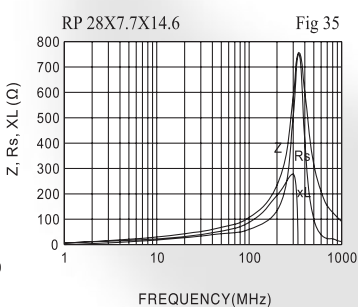
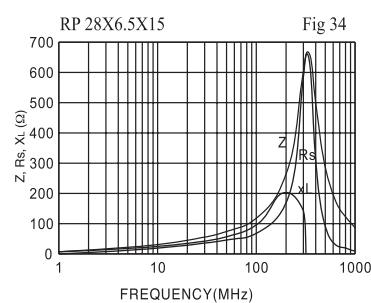
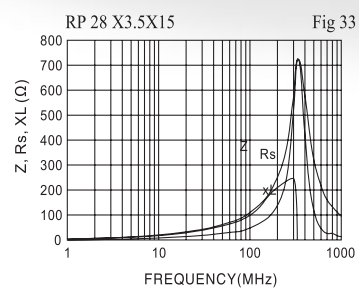
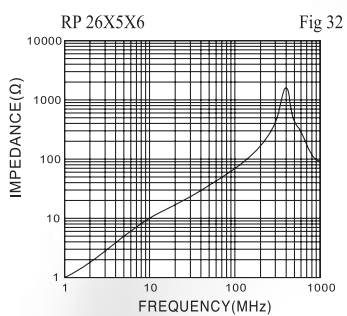
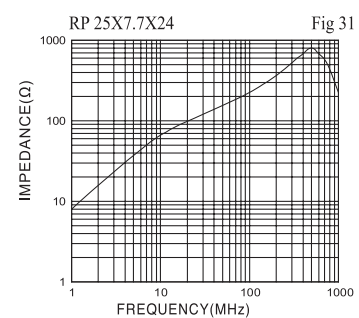
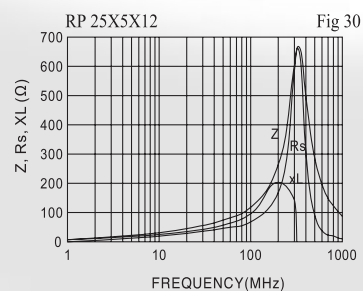
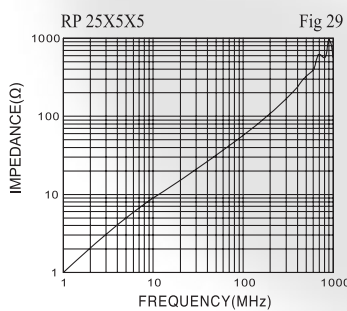
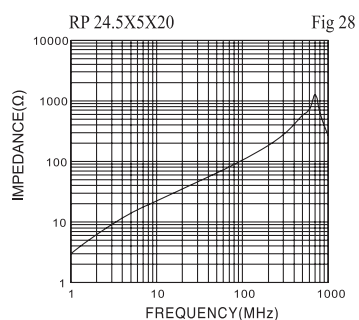
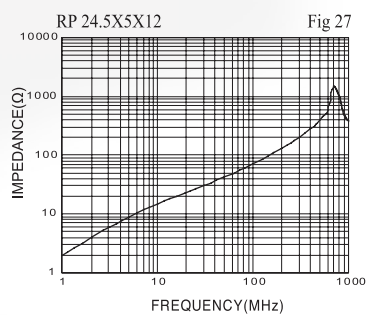
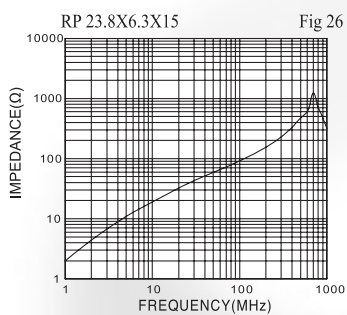
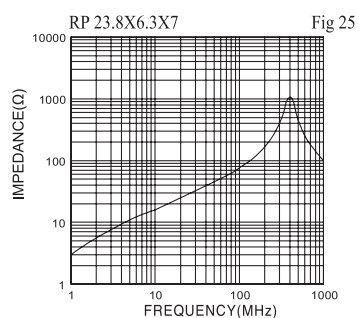
EMI Suppressor Ferrite Cores (for Flat Cable)

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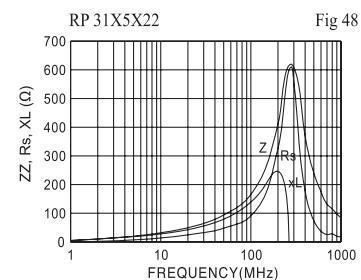
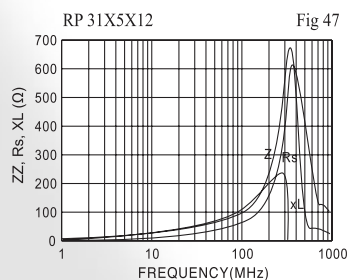
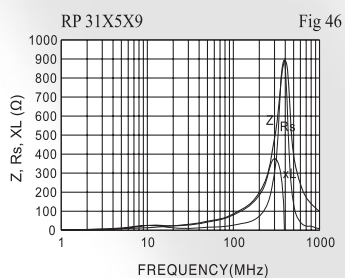
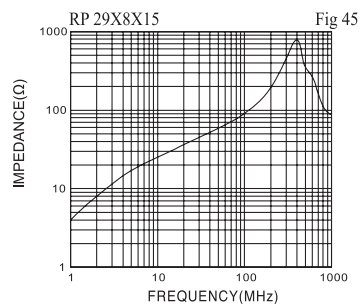
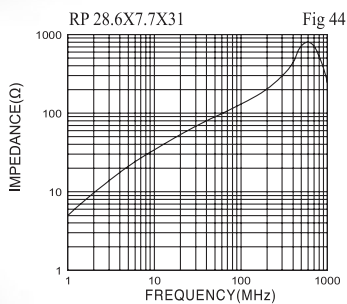
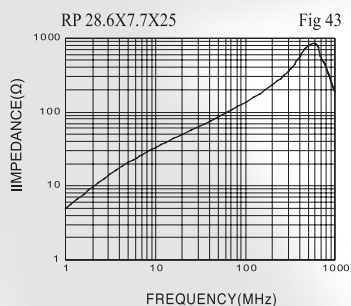
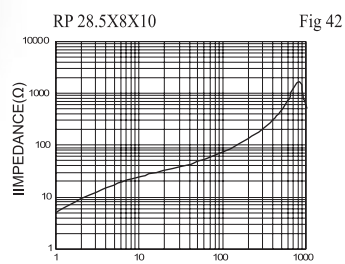
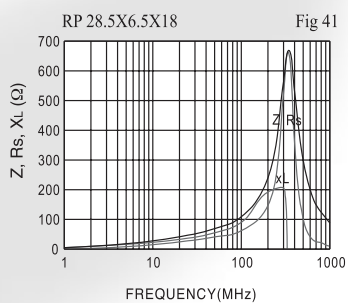
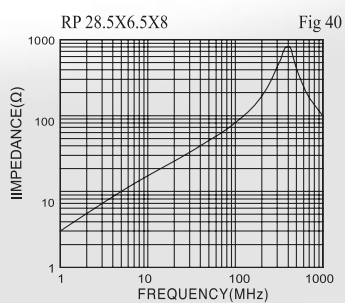
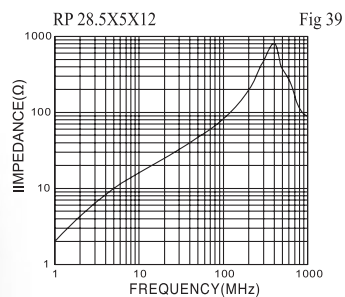
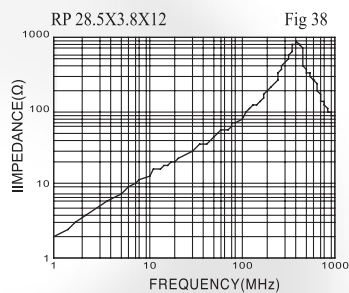
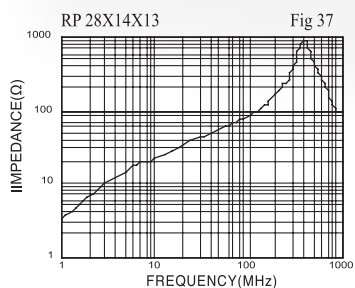
EMI Suppressor Ferrite Cores (for Flat Cable)

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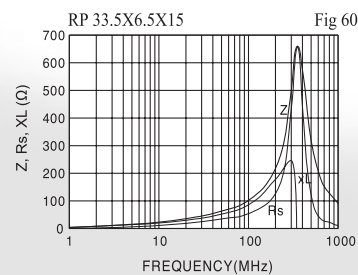
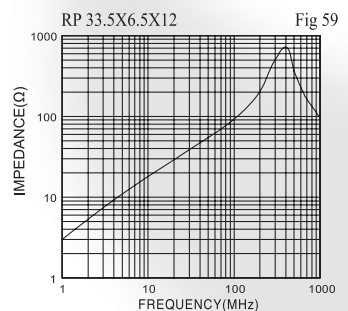
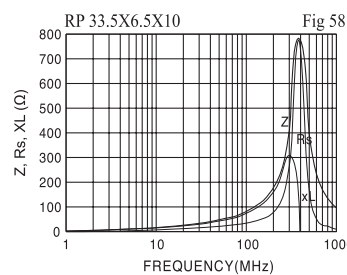
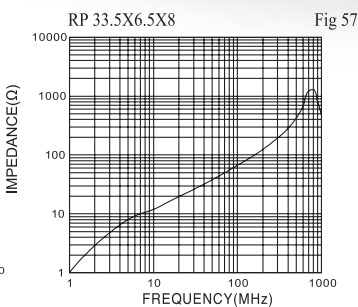
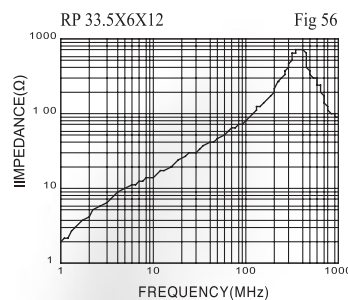
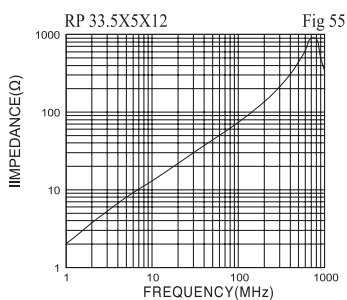
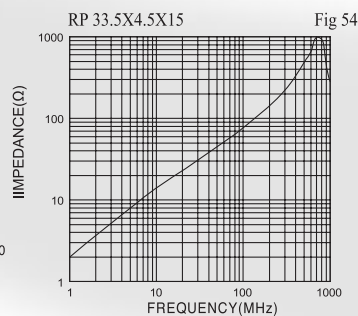
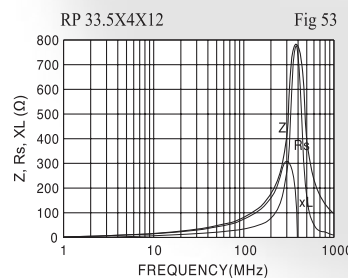
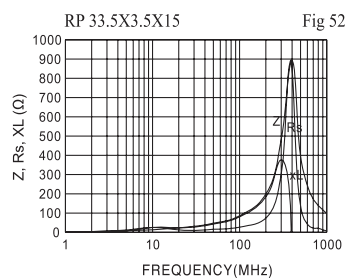
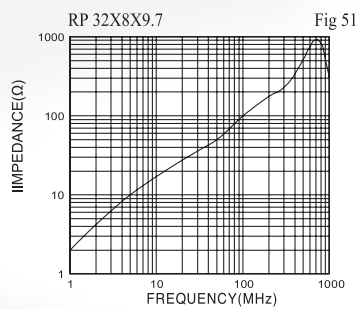
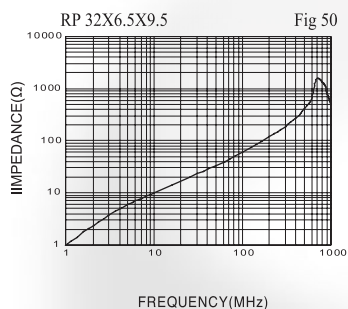
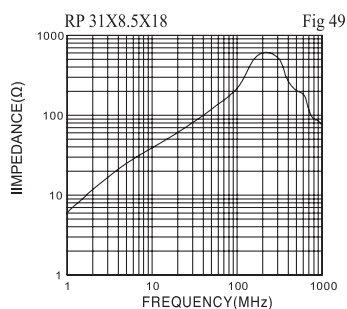
EMI Suppressor Ferrite Cores (for Flat Cable)

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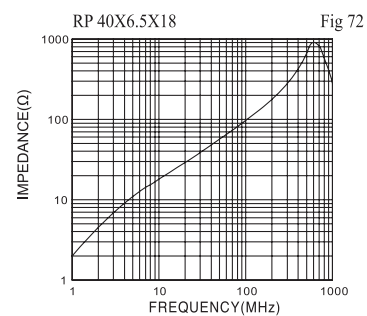
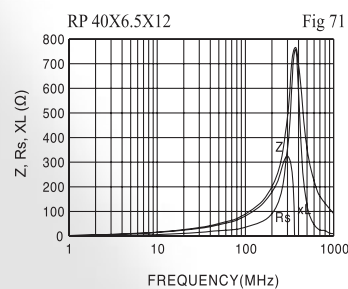
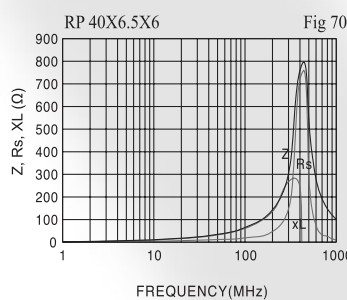
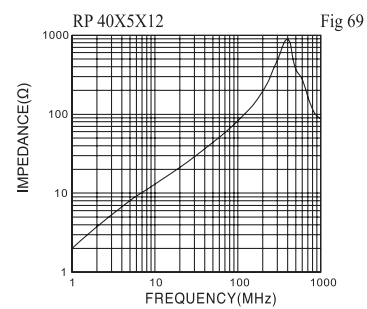
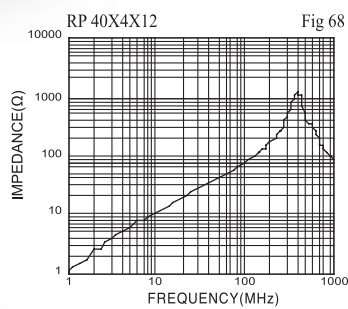
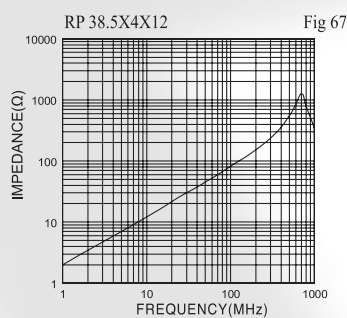
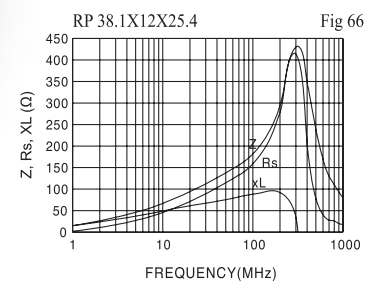
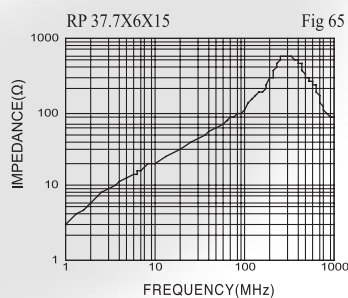
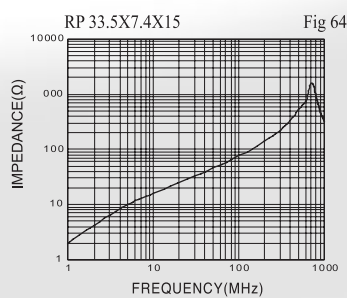
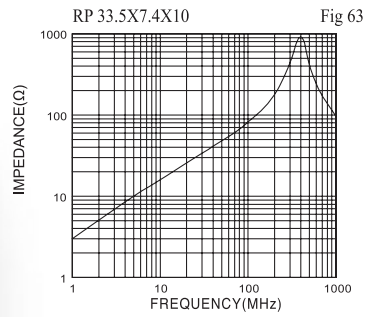
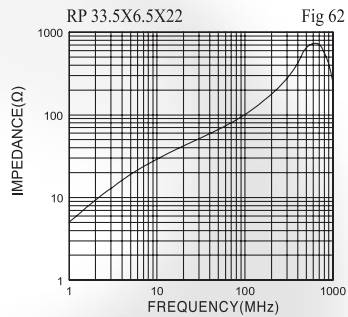
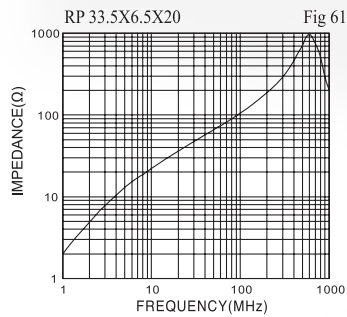
EMI Suppressor Ferrite Cores (for Flat Cable)

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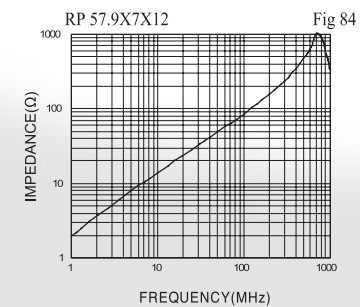
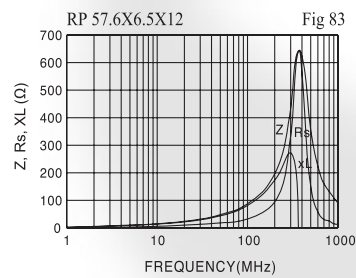
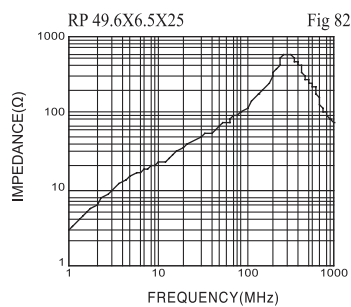
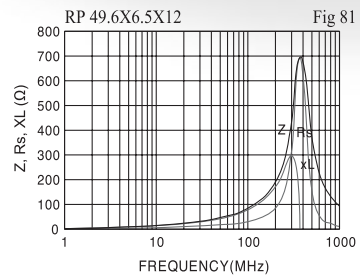
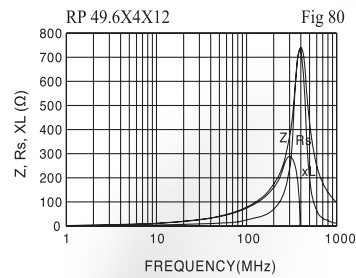
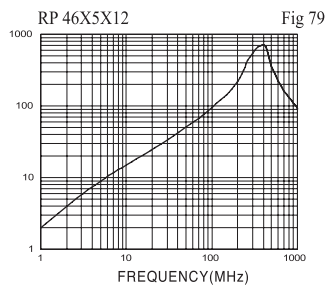
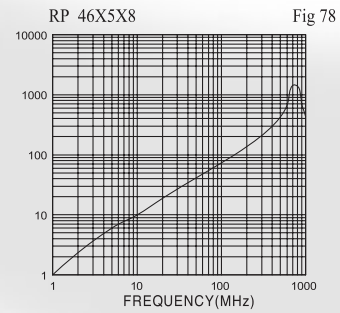
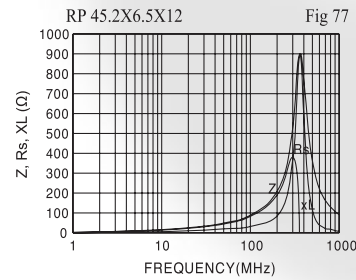
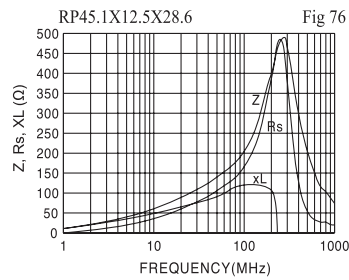
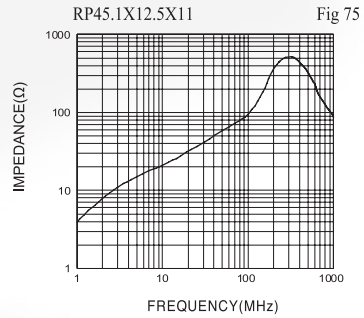
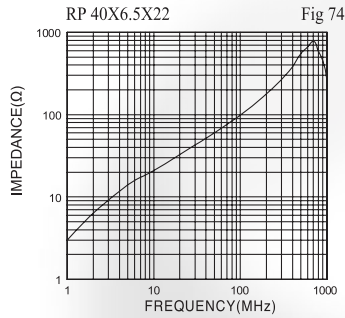
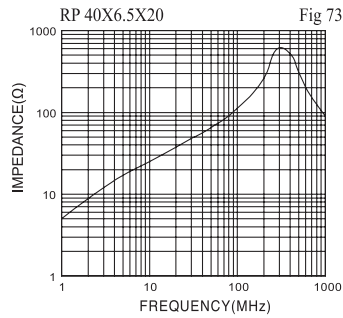
EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*



● Ordering Code

(A)

CT RC - 05 20 - 01
(1) (2) (3) (4) (5)

(1) Type Code (3) Core I.D.
(2) Shape: (4) Core Length
RC.: Round Shape (5) Sequence No.
NF.: Square Shape

(B)

CTNF 50
(1)

(1) Core I.D

(C)

CTRC 26 29
(1) (2)

(1) Core O.D,
26=26mm
(2) Core Length

(D)

CTRC 75 30
(1) (2)

(1) Core I.D,
75=7.5mm
(2) Core Length

EMI suppressor Snap-on ferrite cores (for round cable)

For retrofit and post-assembly operations Elettronica Rossoni provide the CTRC with excellent common mode EMI suppression on round cable assemblies. Light weight, inexpensive plastic snap-on cases provide secure mounting of the ferrite to the cable.

Features: Internal dimensions from 5mm to 15mm radius. Precision formed smooth surface prevent damage to wire insulation. Easy installation.

Applications: Internal and external power cables, internal cables between pc boards and data connectors, computer peripherals, digital camera, DVD, fax machine cables, monitor cables, power supply cables. Printer cables.

● Shapes

Fig.1

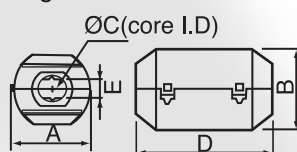


Fig.2

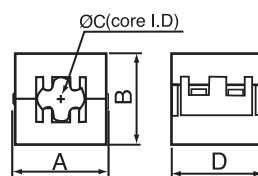


Fig.3

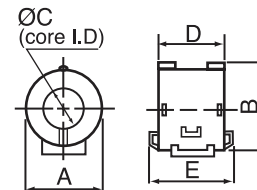


Fig.4

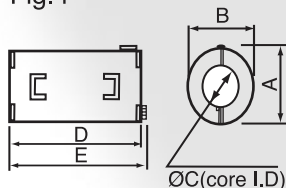
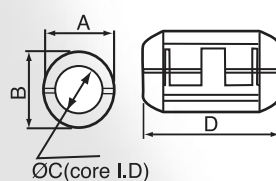


Fig.5



**MATERIAL OF THE RESIN CASES:
PA66, FLAME CLASS UL94V-2**

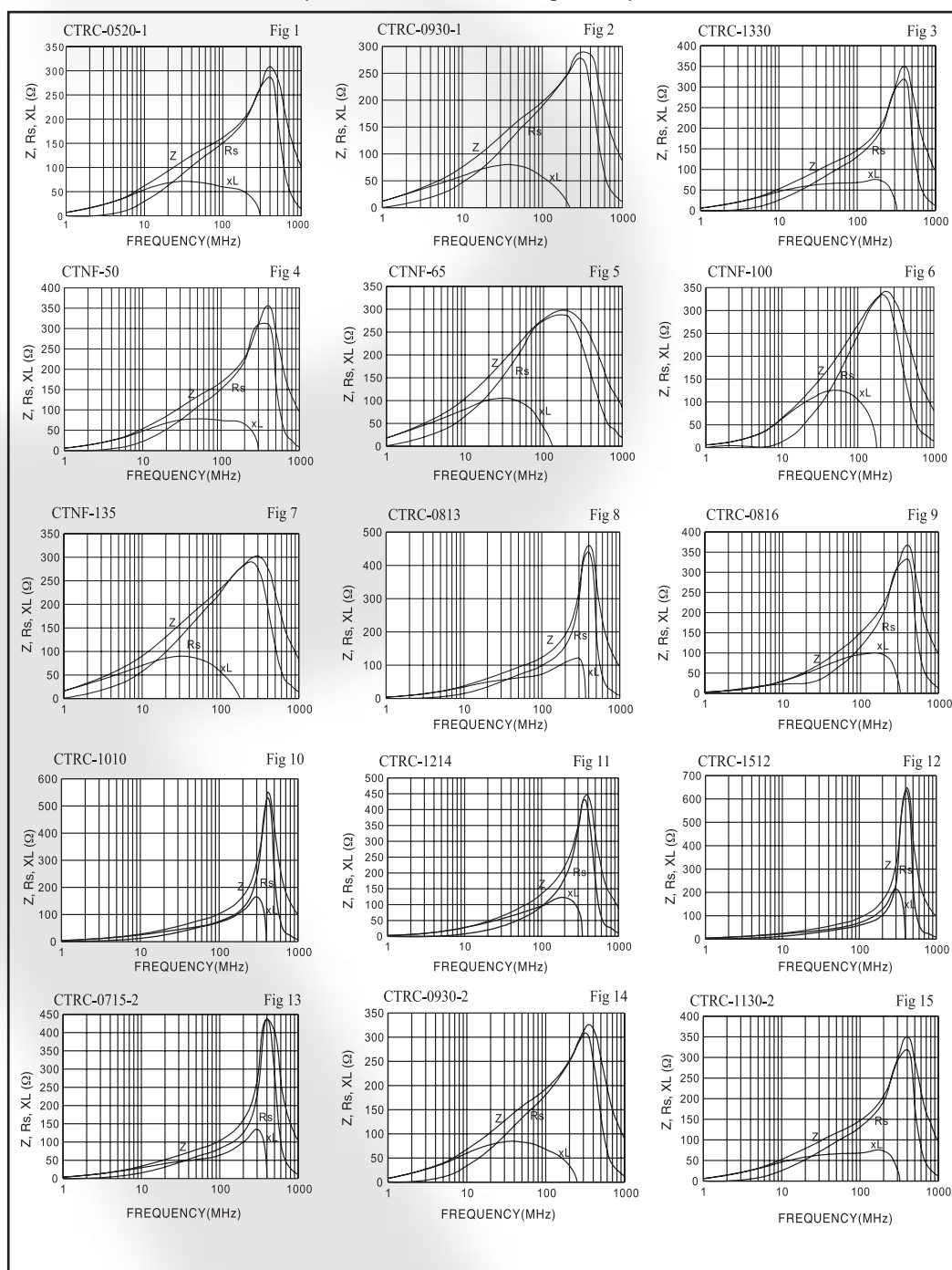
EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*

● Dimensions (Core Size) & Characteristics											Unit: mm
NO	ITEM	Fig.	A	B	øC	D	E	IMPEDANCE (Ω) min.		Max. Cable Dia.(ø)	(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz		
1	CTRC-0520-1	1	13±1	11.8±1	5±0.3	25.5±1	2.5±REF	60	100	5	1
2	CTRC-0930-1	1	19.5±1	18±1	9±0.3	35±1	5.5±1	80	130	9	2
3	CTRC-1330	1	23.5±1	22.5±1	13±0.3	36±1	8.5±1	70	120	13	3
4	CTNF-50	2	15.0±1	14±1	5.2±0.3	23±1		70	120	5	4
5	CTNF-65	2	20.5±1	20±1	6.5±0.3	33±1		120	200	6.5	5
6	CTNF-100	2	25.5±1	23.5±1	10±0.3	33±1		80	130	10	6
7	CTNF-135	2	31.5±1	30±1	13±0.3	33±1		105	170	13	7
8	CTRC-0813	3	19.5±1	23±1	8.1±0.3	17±1	23±1	42	85	8	8
9	CTRC-0816	3	19.5±1	23±1	8.1±0.3	20±1	26±1	50	110	8	9
10	CTRC-1010	3	24.5±1	28.5±1	10.2±0.3	13.5±1	20±1	35	75	10	10
11	CTRC-1214	3	28±1	32±1	11.5±0.3	18±1	24±1	50	100	11.5	11
12	CTRC-1512	3	29±1	33±1	15±0.3	15.5±1	21.5±1	30	70	15	12
13	CTRC-0715-2	4	15.5±1	14±1	7±0.3	18±1	22±1	40	75	7	13
14	CTRC-0930-2	4	20.5±1	19.5±1	9±0.3	31.5±1	35.5±1	80	130	9	14
15	CTRC-1130-2	4	20.5±1	21±1	11±0.4	32±1	36±1	60	110	11	15
16	CTRC-0415	5	15±1	15±1	4±0.2	25.2±1		55	95	4	16
17	CTRC-0520-2	5	16.5±1	16.5±1	5.2±0.3	29.5±1		70	120	5	17
18	CTRC-1329-2	4	31.5±1	30.5±1	13±0.3	34±1	39.5±1	80	130	13	18
19	CTRC-7530	5	21±1	21±1	7.5±0.3	39±1		90	150	7.5	19
20	CTRC-0933	5	22.5±1	22.5±1	9.5±0.3	43±1		105	190	9.5	20
21	CTRC-3520-1	1	13±1	11.8±1	3.5±0.3	25.5±1	2.5±REF	80	150	3.5	21
22	CTRC-0723	1	17±1	15±1	7±0.3	30±1	2.5	80	135	7	22
23	CTRC-0929-2	4	31.5±1	30.5±1	9±0.3	34±1	39.5±1	80	130	9	23
24	CTRC-5520-2	5	16.5±1	16.5±1	5.5±0.3	29.5±1		60	120		24
25	CTRC-3516-1	1	12±1	11±1	3.6±0.3	21.5±1	2.5±REF	60	110	3.6	25

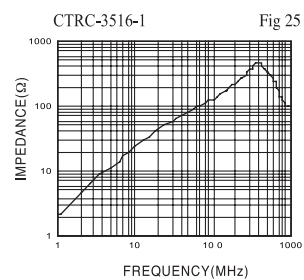
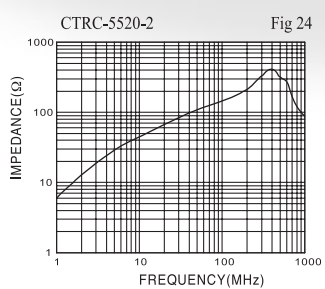
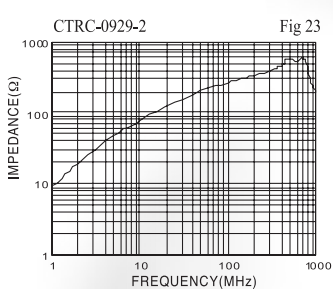
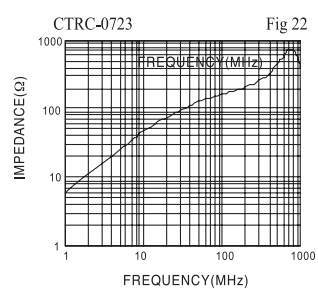
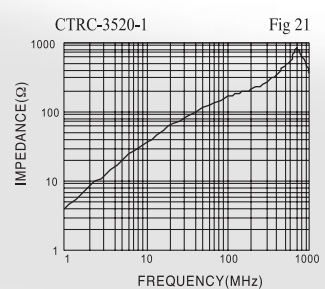
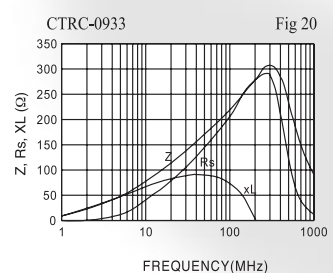
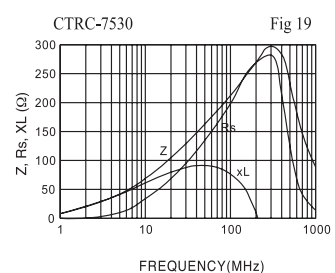
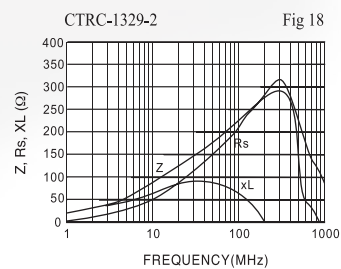
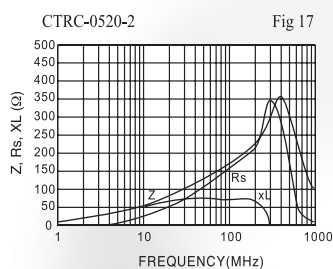
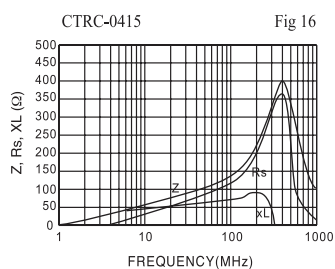
EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*



EMI Suppression Cores With Plastic Case (TRCN Series)

**The other specification can be designed & produced also.*

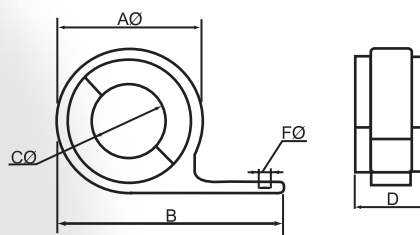


● Ordering Code

TRCN	16	13
(1)	(2)	(3)

(1) Type Code
(2) A Size
(3) D Size

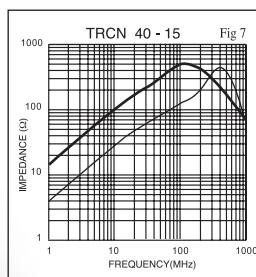
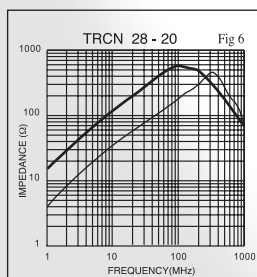
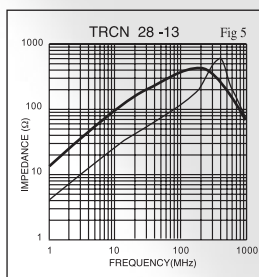
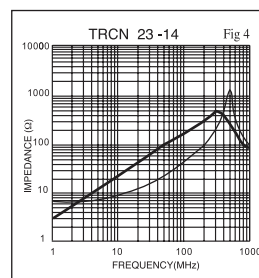
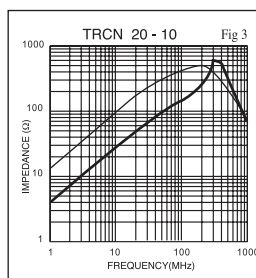
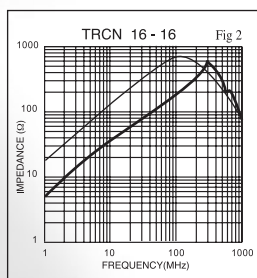
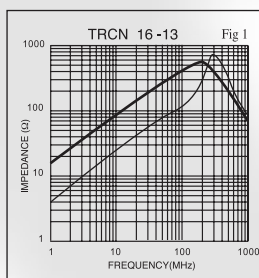
● Shapes



● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	B	ØD	ØC	ØF	1 turn		2 turns		Fig.
							25MHz	100MHz	25MHz	100MHz	
1	TRCN 16 - 13	19.4	30.2	13.0	8	4.3	45	110	160	370	1
2	TRCN 16 - 16	19.4	30.2	16.0	8	4.3	50	150	180	500	2
3	TRCN 20 - 10	25.7	38.2	10.0	10	5.1	45	80	140	280	3
4	TRCN 23 - 14	26.8	39.4	14.0	11.4	5.1	40	100	140	350	4
5	TRCN 28 - 13	32.8	45.0	13.0	16.4	5.1	45	105	160	325	5
6	TRCN 28 - 20	32.8	45.0	20.0	16.4	5.1	60	130	250	500	6
7	TRCN 40 - 15	44.6	59.0	15.0	27.5	5.1	40	100	140	350	7



Sleeve Cores

**The other specification can be designed & produced also.*



Cylindrical EMI suppression ferrites provide a cost effective means of reducing common and differential mode EMI.

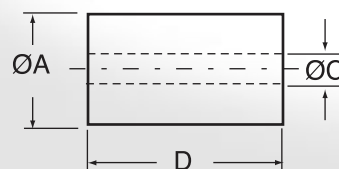
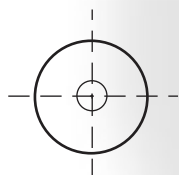
● Ordering Code

K5A	RH	-	11	X	5	X	25
(1)	(2)		(3)		(4)		(5)
(1) Material					(4) C Size		
(2) Type Code					(5) D Size		
(3) A Size							

● Shapes



1ts



EMC Bead

Outline: Ferrite beads have been used as a simple method of increasing the loss in DC current and the Low-Frequency range of AC current. Major applications of ferrite beads include shortening antennas, preventing parasitic oscillation, phase correction, Etc. Now, to enhance the noise immunity of electronic devices, a new magnetic material has been developed and commercialized as EMC bead. Ferrite beads can be broken down into two types, resistive ferrite beads and inductive ferrite beads. The resistive bead series is used to prevent pulse ringing, and is used as the Low-Pass filter; the inductive bead series core is used for shortening the antenna and preventing parasitic oscillation.

Features: Employ High-Performance ferrites with superior frequency characteristic. Compact and high performance. Easy installation.

Application: countermeasures against radiated emissions, for full compliance with FCC regulations and VCCI. Improvement of noise immunity of personal computers, microcomputers, peripheral and relative devices.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
1	K5A RH 1.6X0.8X5(S)	1.6±0.15	0.8±0.1	5±0.3		33
2	K5A RH 2.45X1.3X2.5	2.45±0.15	1.3±0.1	2.5±0.2		
3	K5A RH 2.5X0.8X3	2.5±0.15	0.8±0.15	3±0.2	20	30
4	K5A RH 2.5X1X3	2.5±0.15	1±0.15	3±0.2	10	30
5	K5A RH 2.85X1.65X3.75	2.85±0.15	1.65±0.15	3.75±0.2	18/50MHz	
6	K5A RH 3X0.8X3	3±0.15	0.8±0.15	3±0.2		
7	K5A RH 3X1X3	3±0.15	1±0.15	3±0.2		
8	K5A RH 3X1.2X3.5	3±0.3	1.2±0.2	3.5±0.3	15	45
9	C8 RH 3.5X0.8X14	3.5±0.15	0.8±0.1	14±0.4		185
10	K5A RH 3.5X0.9X6	3.5±0.15	0.9±0.1	6±0.3	40	70

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
11	C8 RH 3.5X1X14	3.5±0.15	1±0.1	14±0.4		180
12	K5A RH 3.5X1.3X3	3.5±0.15	1.3±0.1	3±0.2	10	20
13	K5A RH 3.5X1.5X5	3.5±0.15	1.5±0.15	5±0.3	20	45
14	C3B RH 3.5X1.5X12	3.5±0.2	1.5±0.1	12±0.4	45	75
15	K5A RH 3.5X1.8X5.9	3.5±0.15	1.8±0.15	5.9±0.3		
16	K5A RH 3.5X2X4	3.5±0.2	2±0.2	4±0.3	10	25
17	K5A RH 3.5X2X6	3.5±0.2	2±0.2	6±0.3	15	30
18	K5A RH 3.8X0.8X8.3	3.8±0.15	0.8±0.1	8.3±0.3		100
19	K5A RH 3.9X1.3X5	3.9±0.15	1.3±0.1	5±0.3		
20	K5 RH 4X0.8X15	4±0.15	0.8±0.1	15±0.4		
21	K5A RH 4X1.5X5	4±0.2	1.5±0.15	5±0.3	20	35
22	K5 RH 4X2X15	4±0.2	2±0.15	15±0.4	50	80
23	K6 RH 4X2X25	4±0.2	2±0.15	25±0.3	90	120
24	K5A RH 4X2.2X6	4±0.2	2.2±0.15	6±0.3	20	40
25	K5A RH 4X2.2X25	4±0.2	2.2±0.15	25±0.6	90	120
26	K5A RH 4.1X0.8X6	4.1±0.2	0.8±0.1	6±0.3	90	
27	K5A RH 4.1X2X6	4.1±0.2	2±0.15	6±0.3	20	30
28	C3B RH 4.2X2X15(R)	4.2±0.2	2±0.15	15±0.4	45	90
29	C3B RH 4.2X2X15(C)	4.2±0.2	2±0.15	15±0.4	45	90
30	K5A RH 4.5X1.5X3.5	4.5±0.2	1.5±0.15	3.5±0.25	15	30
31	K5 RH 4.5X1.5X7	4.5±0.2	1.5±0.10	7±0.3	40	80
32	K5A RH 4.5X2.5X7	4.5±0.2	2.5±0.15	7±0.3	35	65
33	K5A RH 4.5X3X6	4.5±0.2	3±0.2	6±0.3		
34	K5A RH 4.7X2.75X25	4.7±0.2	2.75±0.15	25±0.6		
35	K5A RH 4.8X2.5X3.8	4.8±0.4	2.5±0.2	3.8±0.3	15	50
36	K6 RH 4.9X2X36	4.9±0.2	2±0.15	36±0.8	140	200
37	K5A RH 5X1X10	5±0.2	1±0.15	10±0.4	35	55
38	K5A RH 5X2.15X18	5±0.2	2.15±0.15	18±0.5	80	120
39	K5A RH 5.03X2.34X15	5.08±0.2	2.34±0.15	15±0.4		
40	K5A RH 5.08X2.29X10	5.08±0.2	2.29±0.15	10±0.4	40	65
41	K5A RH 6X2X25	6±0.2	2±0.15	25±0.6	135	200
42	K5A RH 6X2.2X30	6±0.2	2.2±0.15	30±0.7		
43	K5A RH 6X3.2X10	6±0.2	3.2±0.2	10±0.4		50
44	K5A RH 6X3X15	6±0.2	3±0.2	15±0.4		
45	K5A RH 6.35X2.95X25.4	6.35±0.2	2.95±0.15	25.4±0.6	108	200
46	K5A RH 6.35X3.2X12.7	6.35±0.2	3.2±0.2	12.7±0.4	55	102
47	K5A RH 6.4X3.2X10	6.4±0.2	3.2±0.2	10±0.4		50
48	K5A RH 6.5X4X10	6.5±0.2	4±0.2	10±0.4	20	40
49	K5A RH 6.5X4.3X10	6.5±0.25	4.3±0.2	10±0.4	20	45
50	K5A RH 6.5X4.5X10	6.5±0.2	4.5±0.2	10±0.4	15	35
51	K5A RH 6.78X4X14.22	6.78±0.2	4±0.2	14.22±0.4		
52	K5A RH 7.52X2.39X7.54	7.52±0.2	2.39±0.15	7.54±0.3	30	60

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
53	K5A RH 7.65X3.18X4.78	7.65±0.3	3.18±0.2	4.78±0.2	20	45
54	K5A RH 7.8X4X13	7.8±0.2	4±0.2	13±0.4	45	80
55	K5A RH 7.8X5X12.5	7.8±0.2	5±0.25	12.5±0.4	30	60
56	K5A RH 8X3.6X25	8±0.3	3.6±0.2	25±0.6	65	115
57	K5A RH 8X5.3X15	8±0.2	5.3±0.25	15±0.4	40	80
58	K5A RH 8X6X5	8±0.3	6±0.2	5±0.2	10	45
59	K5A RH 8.3X3.6X9.75	8.3±0.2	3.6±0.2	9.75±0.3		
60	K5A RH 8.7X6.3X15.7	8.7±0.2	6.3±0.3	15.7±0.4		80
61	K5A RH 9X5X16	9±0.3	5±0.25	16±0.4	50	80
62	K5A RH 9.05X5X16	9.05±0.3	4.7±0.2	16.2±0.4	60	110
63	K5A RH 9.3X4.5X9.5	9.3±0.3	4.5±0.2	9.5±0.3		
64	K5A RH 9.3X6.35X15.7	9.3±0.3	6.35±0.3	15.7±0.4		
65	K5A RH 9.5X3.05X10.2	9.5±0.3	3.05±0.2	10.2±0.4	50	90
66	K5A RH 9.5X4.7X25	9.5±0.4	4.7±0.2	27±0.6	73	135
67	K5A RH 9.5X5.5X19.5	9.5±0.2	5.5±0.3	19.5±0.6	50	100
68	K5 RH 9.5X4.75X19.05	9.5±0.3	4.75±0.2	19.05±0.4	60	100
69	K5A RH 9.5X4.75X25.4	9.5±0.3	4.75±0.2	25.4±0.6	75	135
70	K5A RH 9.5X4.8X14.5	9.5±0.3	4.8±0.2	14.5±0.4	53	75
71	K5A RH 9.5X5X14.5	9.5±0.3	5±0.25	14.5±0.4	50	100
72	K5A RH 9.5X5.2X9.5	9.5±0.3	5.2±0.25	9.5±0.4	35	65
73	K5A RH 9.65X5.02X10.4	9.65±0.3	5.02±0.25	10.4±0.4	30	60
74	K5A RH 9.7X3.8X10.2	9.7±0.3	3.8±0.2	10.2±0.4	60	100
75	K5A RH 9.8X1X11.5	9.8±0.2	1±0.15	11.5±0.3	120	200
76	K5A RH 9.8X6.3X15.7	9.8±0.3	6.35±0.3	15.7±0.4	45	65
77	K5A RH 9.8X6.35X13.5	9.8±0.3	6.35±0.25	13.5±0.4	30	60
78	K5A RH 10X4.25X19.5	10±0.35	4.25±0.3	19.5±0.5	80	120
79	K5A RH 10X5X25	10±0.3	5±0.25	25±0.6	125	160
80	K5A RH 10X5.5X25	10±0.3	5.5±0.25	25±0.6	90	160
81	K5A RH 10X6X14	10±0.3	6±0.3	14±0.4	35	75
82	K5A RH 10X6.15X6.2	10±0.3	6.15±0.3	6.2±0.3	45	85
83	K5A RH 10X6.5X20	10±0.4	6.5±0.25	20±0.6	40	90
84	K5A RH 10X7X10	10±0.3	7±0.3	10±0.4	20	40
85	K5A RH 10X7.3X7.5	10±0.3	7.3±0.2	7.5±0.2	13	28
86	K5A RH 10.5X5.5X20	10.5±0.3	5.5±0.25	20±0.5	65	120
87	K5A RH 10.5X6X20	10±0.4	6±0.3	20±0.6	50	90
88	K5A RH 10.5X6.5X20	10.5±0.3	6.5±0.3	20±0.5	40	80
89	K5A RH 11X5X25	11±0.3	5±0.25	25±0.6	115	180
90	K5A RH 11.3X5.95X12	11.3±0.3	5.95±0.25	12±0.4	40	70
91	K5A RH 11.5X4.9X20	11.5±0.5	4.9±0.25	20±0.6	100	200
92	K5A RH 11.5X4.9X25	11.5±0.3	4.9±0.25	25±0.5	85	120
93	K5A RH 11.8X5X15	11.8±0.3	5±0.3	15±0.4	40	80
94	K5A RH 11.8X7.3X15	11.8±0.3	7.3±0.3	15±0.4	40	75

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
95	K5A RH 11.86X7.4X15	11.86±0.3	7.4±0.3	15±0.4	35	75
96	K5A RH 12X3.7X19.2	12±0.3	3.7±0.2	19.2±0.6	60	120
97	K5A RH 12X3.7X23.5	12±0.3	3.7±0.2	23.5±0.6	95	160
98	K5A RH 12X4X23	12±0.3	4±0.2	23±0.5	160	230
99	K5A RH 12X4.5X25	12±0.3	4.5±0.2	25±0.4	125	204
100	K5A RH 12X5.6X20	12±0.3	5.6±0.25	20±0.5	100	200
101	K5A RH 12X5.6X25	12±0.4	5.6±0.3	25±0.6	80	120
102	K5A RH 12X6X20	12±0.3	6±0.3	20±0.5	60	110
103	K5A RH 12X8X13	12±0.3	8±0.3	13±0.4	35	75
104	K5A RH 12X8X22.8	12±0.3	8±0.25	22.8±0.6	40	80
105	K5A RH 12X8.5X15	12±0.3	8.5±0.3	15±0.4	30	50
106	K5 RH 12X8.5X20	12±0.3	8.5±0.2	20±0.4	30	60
107	K5A RH 12.3X5X12.7	12.3±0.3	5±0.25	12.7±0.4	60	120
108	K5A RH 12.7X7.9X12.7	12.7±0.3	7.9±0.3	12.7±0.4	30	60
109	K5A RH 13X5X18	13±0.3	5±0.25	18±0.5	50	100
110	K5A RH 13X5X20	13±0.3	5±0.25	20±0.5	90	140
111	P3 RH 13X7X15	13±0.3	7±0.3	15±0.4	75	140
112	K5A RH 13X7.3X12.7	13±0.4	7.3±0.2	12.7±0.4	30	60
113	K5 RH 13X8.5X25	13±0.3	8.5±0.2	25±0.6	40	80
114	K5A RH 14X6.8X15	14±0.4	6.8±0.3	15±0.4	65	120
115	K5A RH 14X7.8X15	14±0.4	7.8±0.3	15±0.4	35	70
116	K5A RH 14.2X4.5X20	14.2±0.4	4.5±0.3	20±0.5	100	170
117	K5A RH 14.2X4.5X28.5	14.2±0.4	4.5±0.3	28.5±0.8	120	280
118	K5A RH 14.2X6.35X28.5	14.2±0.4	6.35±0.6	28.5±0.6	100	190
119	K5A RH 14.2X6.35X36	14.2±0.4	6.35±0.6	36±0.8	150	280
120	K5A RH 14.2X6.5X15	14.2±0.4	6.5±0.3	15±0.4	50	90
121	K5A RH 14.2X7.2X28.5	14.2±0.4	7.2±0.3	28.5±0.6	130	210
122	K5A RH 14.2X7X28.5	14.2±0.4	7±0.3	28.5±0.6	100	120
123	K5A RH 14.2X7.2X12.7	14.2±0.3	7.2±0.3	12.7±0.4	40	60
124	K5A RH 14.2X8X23.5	14.2±0.4	8±0.3	23.5±0.5	65	135
125	K5A RH 14.2X8X28.5	14.2±0.4	8±0.3	28.5±0.6	60	150
126	K5A RH 14.2X9.15X28.5	14.2±0.4	9.15±0.3	28.5±0.6	100	170
127	K5A RH 14.2X9X15	14.2±0.4	9±0.3	15±0.4	50	100
128	K5A RH 14.3X6.35X23.3	14.3±0.4	6.35±0.3	23.3±0.5	100	180
129	K5A RH 14.3X9.15X28.5	14.3±0.4	9.15±0.3	28.5±0.6	75	120
130	K5A RH 14.3X9X28.5	14.3±0.4	9±0.3	28.5±0.6	75	120
131	K5A RH 14.5X10.5X8	14.5±0.4	10±0.4	8±0.3	18	45
132	K5A RH 15.7X10.5X28.5	15.7±0.4	10.5±0.3	28.5±0.6	60	100
133	K5A RH 15.7X7.3X28.5	15.7±0.4	7.3±0.3	28.5±0.6	90	180
134	K5A RH 15.7X7.5X28.5	15.7±0.4	7.5±0.3	28.5±0.6	90	180
135	K5A RH 15.88X8X28.5	15.88±0.4	8±0.3	28.5±0.6	100	160
136	K5A R3H 16X5X28	16±0.4	5±0.3	28±0.8	90	160

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
137	K5A RH 16X8X16	16±0.4	8±0.3	16±0.4	55	110
138	K5A RH 16X9X17	16±0.4	9±0.3	17±0.4	50	80
139	K5A RH 16X9X28	16±0.4	9±0.3	28±0.6	80	150
140	K5A RH 16X10.5X28	16±0.4	10.5±0.3	28±0.6		100
141	K5A RH 17.07X8.76X25.4	17.07±0.4	8.76±0.3	25.4±0.6	90	130
142	K5A RH 17.2X7X28.5	17.2±0.4	7±0.3	28.5±0.6	140	230
143	K5A RH 17.2X7.1X28	17.2±0.4	7.1±0.3	28±0.8	120	180
144	P2M RH 17.5X7X25.4	17.5±0.4	7±0.3	25.4±0.6	110	200
145	K5A RH 17.5X9.5X12.7	17.5±0.5	9.5±0.3	12.7±0.4	50	150
146	K5A RH 17.5X9.5X28.5	17.5±0.4	9.5±0.3	28.5±0.6	85	145
147	K5A RH 17.5X9.5X35	17.5±0.4	9.5±0.3	35±0.8	120	200
148	K5A RH 17.5X10.5X24	17.5±0.4	10.5±0.4	24±0.6	85	130
149	K5A RH 17.5X10.5X28.5	17.5±0.4	10.5±0.4	28.5±0.6	60	120
150	K5A RH 17.5X10X28.5	17.5±0.4	10±0.4	28.5±0.6	100	240
151	K5A RH 17.5X11X28.5	17.5±0.4	11±0.4	28.5±0.6	80	130
152	K5A RH 17.5X11.5X28.5	17.5±0.5	11.5±0.2/-0.6	28.5±0.8	60	110
153	K5A RH 17.5X12.8X28.5	17.5±0.5	12.8±0.4	28.5±0.8	40	80
154	K5A RH 18X10.5X18	18±0.5	10.5±0.3	18±0.5	45	90
155	K5A RH 18.2X9.7X28.2	18.2±0.5	9.7±0.3	28.2±0.6	104	192
156	K5A RH 18.4X9.6X12	18.4±0.4	9.6±0.3	12±0.4	40	60
157	K5A RH 18.5X12.6X28.5	18.5±0.5	12.6±0.5	28.5±0.6	50	80
158	K5A RH 18.7X10.2X28.2	18.7±0.5	10.2±0.4	28.2±0.6	70	130
159	K5A R3H 19X6X28	19±0.4	6±0.3	28±0.8	90	160
160	K5A RH 19X10X10	19±0.4	10±0.3	10±0.3	39	73
161	K5A RH 19X13X29	19±0.5	13±0.4	29±0.6	60	110
162	K5A RH 19.2X11.6X28.6	19.2±0.5	11.6±0.4	28.6±0.6	76	118
163	K5A RH 20X10X28	20±0.5	10±0.3	28±0.8	95	150
164	K5A RH 20.7X12X28.5	20.7±0.6	12±0.4	28.5±0.6	85	160
165	K5A RH 21X10X30	21±0.5	10±0.4	30±0.8	100	150
166	K5A RH 22X14X28	22±0.6	14±0.5	28±0.8	60	120
167	K5A RH 25.9X12.3X29	25.9±0.6	12.3±0.4	29±0.6	90	180
168	K5A RH 25.9X12.7X29	25.9±0.6	12.7±0.4	29±0.6	120	240
169	K5A RH 26X13X28.5	26±0.6	13±0.4	28.5±0.6	116	180
170	K5A RH 26X14X28.5	26±0.6	14±0.4	28.5±0.6	90	180
171	K5A RH 27X10X30	27±0.5	10±0.3	30±0.9	95	150
172	K5A RH 28X14X28	28±0.6	14±0.4	28±0.6	110	180
173	K5A RH 28X16X28.5	28±0.6	16±0.4	28.5±0.6	110	220
174	K5A RH 28X18X28.5	28±0.6	18±0.4	28.5±0.6	75	140

Toroidal Cores

**The other specification can be designed & produced also.*



Toroidal cores provide high performance when wound and used as cores for transformers, inductors, or chokes.

● Ordering Code

K5A	T	6 X	3 X	3
(1)	(2)	(3)	(4)	(5)
(1) Material			(4) C Size	
(2) Type Code			(5) D Size	
(3) A Size				

Toroidal Cores

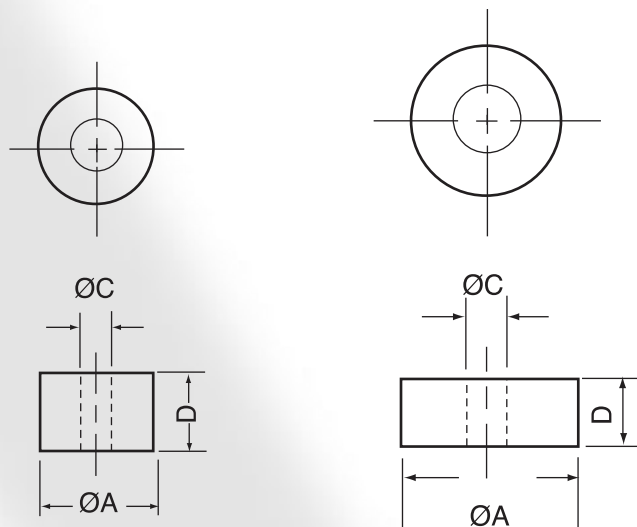
Outline: The key to suppressing radiated noise emissions generated by electronic equipment and systems is successful application of effective common-mode countermeasures at data lines. It could be used with series data lines, the data line is wrapped around the filter cores. Located between the CPU and terminal, they dramatically reduce electromagnetic noise.

Features: Minimal effect on transmission waveforms. Provide low cost noise countermeasures right at the data lines. Can be added as First-Aid, On-The Spot countermeasures when equipment or devices fail.

Application: Computers, peripherals and terminals data, Terminal equipment. NC machines. Measuring equipment, equipment using sensors. OA equipment, Plain paper copiers. Improvement of noise immunity for TVs, FM/AM Tuners, VTRs/VCRs. Harness noise countermeasures for automobiles. ISDN terminal equipment.

Applications: LAN matching and isolation transformers. LAN common mode chokes. Power supply common chokes. Inductors. Current sensing transformers. DC-DC converters. Telecommunications transformers. Lighting Ballasts. EMI filters.

● Shapes



Toroidal Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics							
Unit : mm							
NO	ITEM	ØA	ØC	D	Impedance (Ω) min.		AL(nH)
					25MHz	100MHz	
1	K5A T 3.2 X 1.25 X 3	3.2±0.15	1.25±0.1	3±0.2			368
2	K6 T 4 X 2 X 3	4±0.2	2±0.15	3±0.2		16	600
3	K6 T 4.1 X 2 X 3	4.1±0.2	2±0.15	3±0.2		15	620
4	K5A T 4.5 X 1.5 X 3.5	4.5±0.2	1.5±0.15	3.5±0.2	70	100	490
5	K6 T 4.8 X 2.8 X 1.5	4.8±0.2	2.8±0.2	1.5±0.2			12 min
6	K6 T 5 X 1.5 X 4	5±0.2	1.5±0.15	4±0.3			1292
7	K5A T 5 X 3 X 2	5±0.2	3±0.2	2±0.2			140
8	K5A T 5.08 X 2.36 X 4.8	5.08±0.2	2.36±0.15	4.8±0.3	310	490	491
9	K5A T 6 X 1.8 X 3	6±0.2	1.8±0.15	3±0.2			453
10	K6 T 6 X 3 X 2	6±0.2	3±0.2	2±0.2			400
11	K6 T 6 X 3 X 3	6±0.2	3±0.2	3±0.2			10
12	K5A T 7 X 3.5 X 4	7±0.2	3.5±0.2	4±0.3	15	45	373
13	K6 T 7.62 X 3.18 X 4.78	7.62±0.2	3.18±0.2	4.78±0.3	25	50	1179
14	K6 T 8 X 4 X 4	8±0.2	4±0.2	4±0.3			800
15	K6 T 9 X 5 X 3	9±0.3	5±0.25	3±0.2	15	45	514
16	K5 T 9.15 X 5.02 X 4.7	9.15±0.3	5.02±0.25	4.7±0.3		35	548
17	P3 T 9.35 X 4.75 X 3.2	9.35±0.3	4.75±0.25	3.2±0.2		50	43
18	K5A T 9.5 X 4.75 X 4.8	9.5±0.3	4.75±0.2	4.8±0.3		30	448
19	K5A T 9.5 X 4.79 X 5	9.5±0.3	4.79±0.2	5±0.3			461
20	K5A T 9.5 X 5 X 5	9.5±0.3	5±0.3	5±0.3	20	35	434
21	K5A T 9.5 X 5.02 X 5	9.5±0.3	5.02±0.3	5±0.3	20	35	432
22	K5A T 9.53 X 5.02 X 4.8	9.53±0.3	5.02±0.25	4.8±0.3		30	595
23	K5A T 9.58 X 6.4 X 5	9.58±0.3	6.4±0.3	5±0.3			279
24	K5A T 9.65 X 5 X 5.05	9.65±0.3	5±0.25	5.05±0.3	21	43	449
25	K6 T 9.65 X 5.02 X 4.83	9.65±0.3	5.02±0.25	4.83±0.2	10	30	
26	K5A T 10 X 5 X 5	10±0.3	5±0.25	5±0.3	25	55	467
27	P1B T 10 X 5.1 X 9	10±0.3	5.1±0.25	9±0.3	30	60	643
28	K6 T 10 X 6 X 4	10±0.3	6±0.3	4±0.3			600
29	K5A T 10 X 7 X 5	10±0.3	7±0.3	5±0.3	15	40	247
30	K6 T 12 X 6 X 6	12±0.3	6±0.3	6±0.3			
31	K5A T 12 X 7 X 5.5	12±0.3	7±0.3	5.5±0.3	15	40	405
32	K5A T 12.7 X 7.9X 6.35	12.7±0.3	7.9±0.3	6.35±0.3	21	42	414
33	K5A T 13 X 7 X 3	13±0.3	7±0.3	3±0.2	15	30	252
34	K6 T 13 X 7.3 X 12.7	13±0.3	7.3±0.3	12.7±0.4			
35	K5A T 13 X 8 X 12.7	13±0.3	8±0.3	12.7±0.3		30	847
36	K5A T 14 X 8.7 X 7	14±0.4	8.7±0.3	7±0.3	25	45	458
37	K5A T 14 X 10 X 5.5	14±0.4	10±0.3	5.5±0.3	12	40	
38	K5A T 14.2 X 4.5 X 6	14.2±0.4	4.5±0.4	6±0.3	35	85	1245
39	K5A T 14.2 X 6.35 X 13.8	14.2±0.4	6.35±0.3	13.8±0.4	60	100	1476
40	K5A T 14.5 X 10.5 X 8	14.5±0.4	10.5±0.4	8±0.3	15	45	358
41	K5A T 15.7 X 10 X 4.3	15.7±0.4	10±0.4	4.3±0.3	15	35	267
42	K5A T 15.9 X 7.9 X 14.3	15.9±0.4	7.9±0.3	14.3±0.4	60	100	1346

Toroidal Cores

**The other specification can be designed & produced also.*

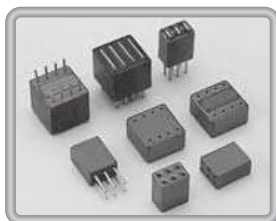
● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.		AL(nH)
					25MHz	100MHz	
43	K5A T 16 X 8 X 13	16±0.4	8±0.3	13±0.4	45	90	1213
44	K5A T 16 X 10 X 5	16±0.4	10±0.4	5±0.3			323
45	K6 T 16 X 12 X 8	16±0.4	12±0.4	8±0.3	20	30	686
46	K5A T 16.5 X 8.2 X 13	16.5±0.4	8.2±0.3	13±0.4	45	100	1223
47	K5A T 17.4 X 9.6 X 15	17.4±0.4	9.6±0.3	15±0.4			1213
48	K5A T 17.5 X 9.5 X 12.7	17.5±0.4	9.5±0.3	12.7±0.4	45	70	1054
49	C8 T 18 X 7 X 3	18±0.5	7±0.3	3±0.2			106
50	K5A T 18.3 X 10 X 10	18.3±0.5	10±0.4	10±0.4	30	80	
51	K5A T 18.4 X 9.5 X 15	18.4±0.5	9.5±0.3	15±0.4	50	85	1340
52	K5A T 18.4 X 9.6 X 12	18.4±0.5	9.6±0.3	12±0.4	45	80	1056
53	K5A T 18.7 X 10.2 X 17	18.7±0.5	10.2±0.4	17±0.4	45	80	1400
54	K5A T 20 X 10 X 10	20±0.6	10±0.4	10±0.4	40	75	933
55	K5A T 20.7 X 12 X 14	20.7±0.6	12±0.4	14±0.4	140	250	980
56	K5A T 21 X 13.2 X 12	21±0.6	13.2±0.4	12±0.4	30	65	776
57	K5A T 21 X 15 X 12	21±0.6	15±0.5	12±0.4	25	50	
58	K5A T 22 X 13.5 X 8	22±0.6	13.5±0.4	8±0.3	30	60	536
59	K5A T 22 X 14 X 8	22±0.6	14±0.4	8±0.3	30	60	498
60	K5A T 22.5 X 13.8 X 6.4	22.5±0.6	13.8±0.4	6.4±0.3	15	45	
61	K5A T 22.5 X 13.8 X 12.8	22.5±0.6	13.8±0.4	12.8±0.4	40	80	
62	K5A T 23 X 6.35 X 13.5	23±0.6	6.35±0.3	13.5±0.4			1809
63	K5A T 23 X 11 X 14	23±0.6	11±0.4	14±0.4	60	110	1384
64	K5A T 23 X 13.5 X 6.35	23±0.6	13.5±0.4	6.35±0.3	15	45	463
65	K5A T 23 X 13.8 X 5.5	23±0.6	13.8±0.4	5.5±0.3	17	34	
66	K6 T 23.5 X 12.6 X 9.4	23.5±0.6	12.6±0.4	9.4±0.3	60	120	1703
67	K5A T 24 X 11 X 14	24±0.6	11±0.4	14±0.4	45	85	1456
68	K5A T 24 X 14 X 11	24±0.6	14±0.4	11±0.4	35	63	
69	K5A T 25 X 15 X 8.1	25±0.6	15±0.4	8.1±0.3			
70	K5A T 25 X 15 X 12	25±0.6	15±0.6	12±0.4	35	80	467
71	K5A T 27 X 14.5 X 11	27±0.6	14.5±0.4	11±0.4	30	65	
72	K5A T 28 X 16 X 13	28±0.6	16±0.3	13±0.4	40	80	993
73	K5A T 29 X 19 X 7.5	29±0.6	19±0.5	7.5±0.3	20	50	438
74	K5A T 29 X 19 X 8.1	29±0.6	19±0.5	8.1±0.3			
75	K5A T 31 X 19 X 8	31±0.9	19±0.5	8±0.3	25	60	
76	K5A T 31.75 X 19.05 X 16	31.75±0.8	19.05±0.5	16±0.4	50	90	
77	K5A T 31.75 X 19.05 X 22.5	31.75±0.8	19.05±0.5	22.5±0.6	60	90	
78	K5A T 35.6 X 23 X 12.7	35.6±0.8	23±0.6	12.7±0.4	25	90	765
79	K5A T 35.6 X 25.4 X 7.5	35.6±0.8	25.4±0.6	7.5±0.2	25	90	351
80	K5A T 36 X 25 X 16	36±1	25±0.8	16±0.5	30	80	
81	K5A T 40.6 X 27 X 15	40.6±1	27±0.6	15±0.4	35	85	845
82	K5A T 40.6 X 27.5 X 15	40.6±1	27.5±0.6	15±0.4	35	85	808
83	K5A T 61.4 X 36 X 12.8	61.4±1	36±0.75	12.8±0.4	45	80	

Multiline Beads Mount Filters

**The other specification can be designed & produced also.*



Multi-Line Board Mount Filters

Elettronica Rossoni multi-line ferrite S8H 11 X 11 X 10
products provide economical
EMI filtering of differential mode
noise in surface mount and
through-hole PCB applications.

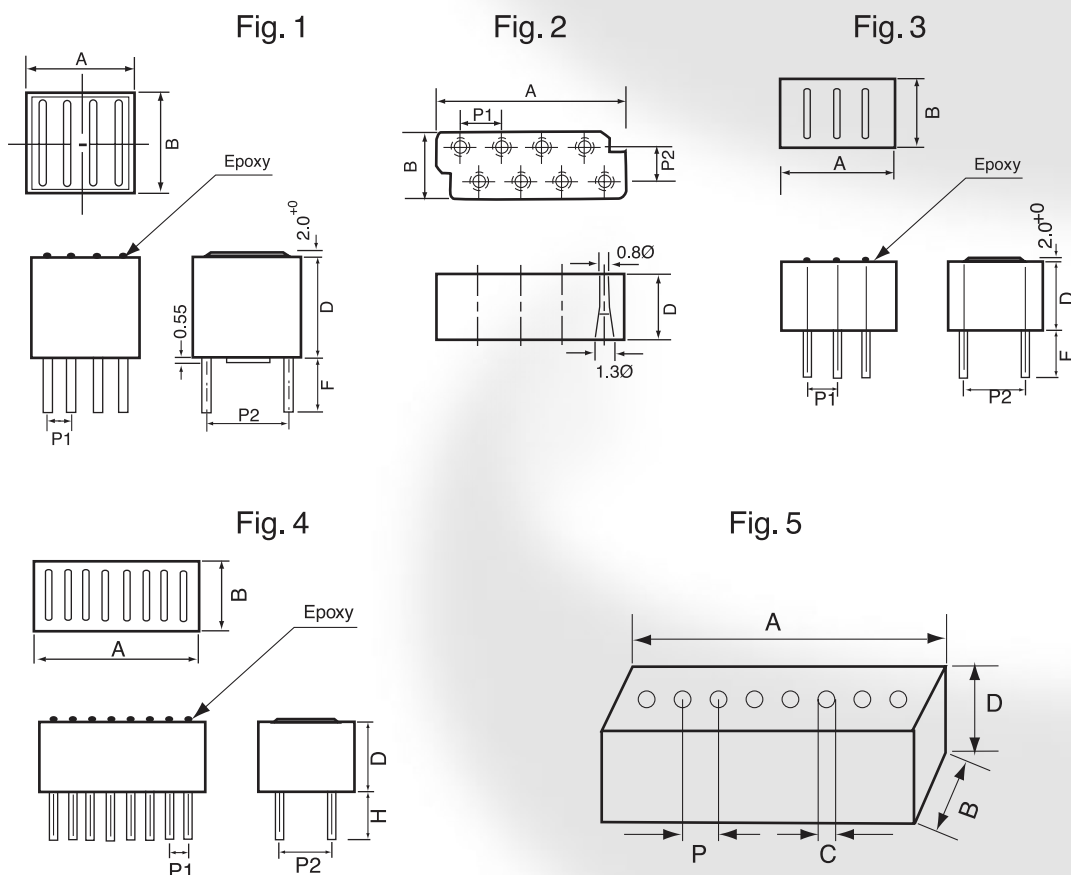
● Ordering Code

(1)	(2)	(3)	(4)
(1) Type Code	(2) A Size	(3) B Size	(4) D Size

Features: Multiple single printed circuit beads or multi-turn printed circuit beads are available in various materials. Cores are supplied with tinned copper jumper wires, which complete the desired winding configuration on the printed circuit board.

Applications: Filtering DC power to external peripherals. Filtering low frequency in put/out put signals of shielded enclosures. Data Bus filter. Applications where low DCR is needed.

● Shapes

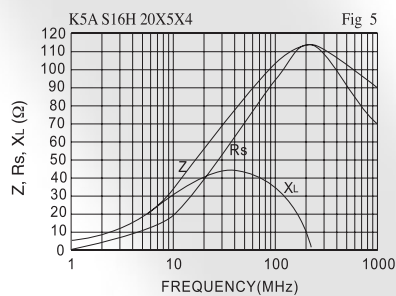
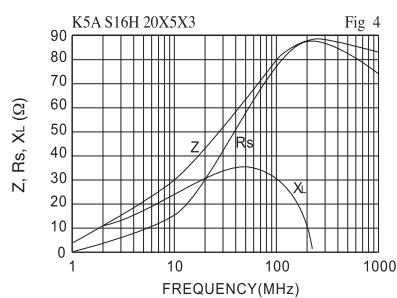
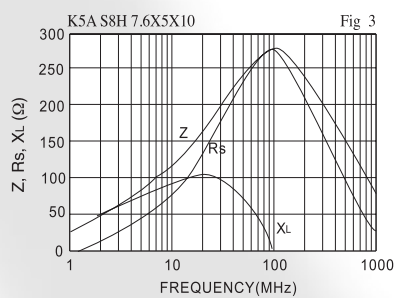
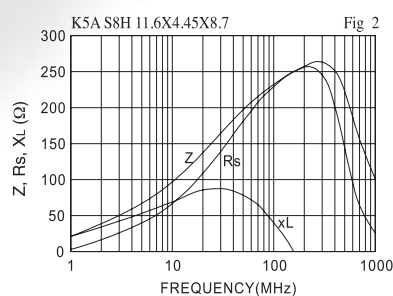
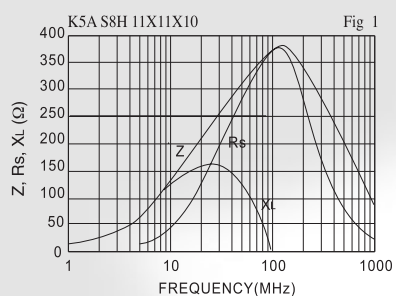


Multiline Beads Mount Filters

*The other specification can be designed & produced also.

● Dimensions & Characteristics

No	Item	Fig	Unit: mm						Impedance(Ω) min.		(Z, Rs, XL)-f Curve Fig.
			A	B	D	F	P1	P2	25MHz	100MHz	
1	S8H 11x11x10	1	10.8±0.3	10.8±0.3	10.15±0.25	3.2 ^{+0.4} ₋₀	2.54±0.2	7.62±0.2	190	300	1
2	S8H 11.6x4.45x8.7	2	11.55±0.05	4.45±0.15	8.7±0.2		2.54±0.15	2.54±0.15	90	155	2
3	S6H 7.6x5x10	3	7.6±0.25	5±0.25	10±0.3	5.3±0.3	2.54±0.2	2.54±0.2	150	226	3
4	S16H 20x5x3	4	20±0.3	5±0.3	3±0.2	2.54±0.2	2.54±0.2	3±1.0	40	64	4
5	S16H 20x5x4	4	20±0.3	5±0.3	4±0.2	2.54±0.2	2.54±0.2	4±1.0	45	80	4
6	S8H 11x5.5x10	1	10.88±0.3	5.49±0.25	10±0.3	3.19±0.3	2.54±0.2	2.54±0.2	160	200	1
7	S8H 20.3x4x5.75	1	20.3±0.5	4±0.2	5.75±0.3		2.54±0.15		60	130	5



Surface Mount Beads

**The other specification can be designed & produced also.*



● Ordering Code

SMB 03 56 25 45 - 2H
(1) (2) (3) (4) (5) (6)

(1) Type Code (4) B Size
(2) Design Code (5) D Size
(3) A Size (6) 2 Hole

Outline: Elettronica Rossoni could provide several sizes of mount beads and common-mode surface mount beads. The common-mode surface mount bead provides a common part for the magnetic flux generated by the current to the load and the return current from the load. The current compensation results in zero magnetic flux in the core.

Features: Taped SM Beads are supplied taped and reeled per EIA standard.

Application: Computer disk drive and PC Board to filter the EMI from outside source. Car radio, mobile phone and VCRS.

● Dimensions & Characteristics

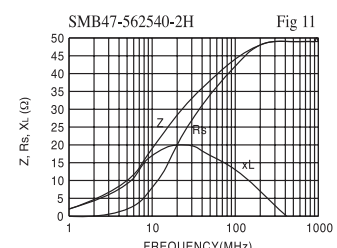
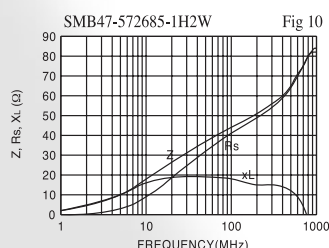
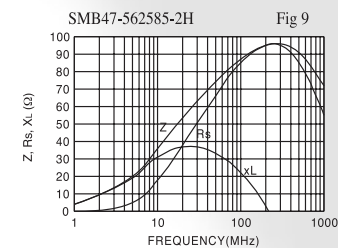
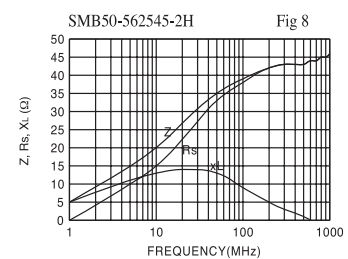
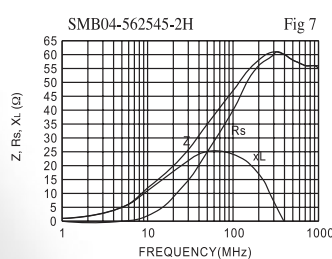
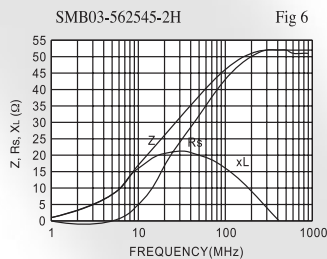
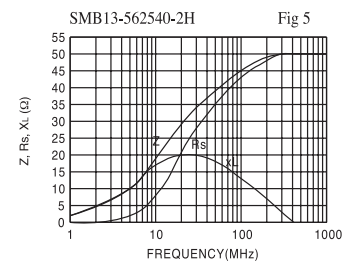
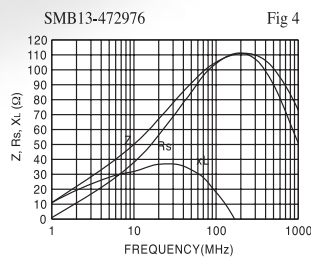
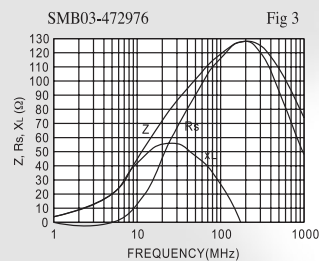
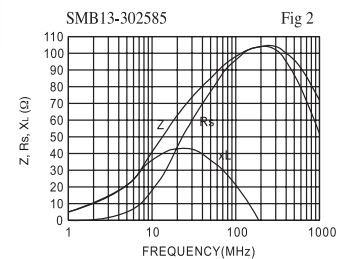
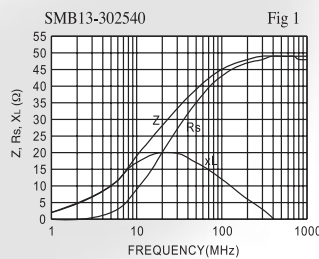
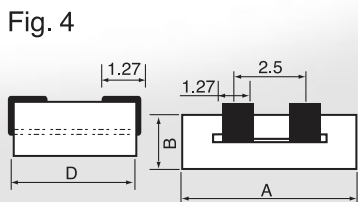
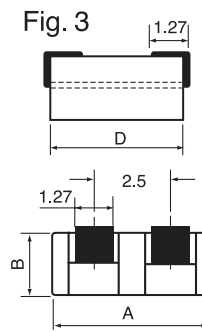
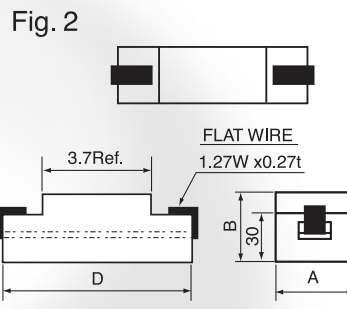
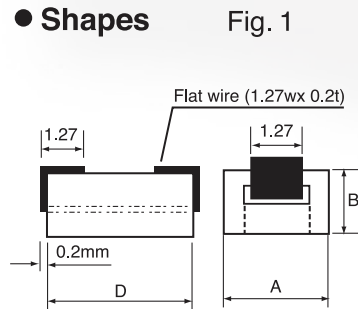
Unit: mm

NO	ITEM	Fig	A	B	D	Impedance(Ω) min.		(Z, Rs, XL)-f Curve Fig.
						25MHz	100MHz	
1	SMB 13-302540	1	3.18 ⁺⁰	2.67 ⁺⁰	4±0.25	24	36	1
2	SMB 13-302585	1	3.18 ⁺⁰	2.67 ⁺⁰	8.5±0.25	48	72	2
3	SMB 03-472976	2	5 ⁺⁰ -0.5	3.45 ⁺⁰ -0.3	7.6±0.1	60	90	3
4	SMB 13-472976	2	5 ⁺⁰ -0.5	3.45 ⁺⁰ -0.3	7.6±0.1	58	80	4
5	SMB 13-562540-2H	3	5.6±0.2	2.5±0.2	4±0.25	22	35	5
6	SMB 03-562545-2H	3	5.6±0.2	2.5±0.2	4.5±0.25	24	36	6
7	SMB 04-562545-2H	3	5.6±0.2	2.5±0.2	4.5±0.25	18	36	7
8	SMB 50-562545-2H	3	5.6±0.2	2.5±0.2	4.5±0.25	24	32	8
9	SMB 47-562585-2H	3	5.6±0.2	2.5±0.2	8.5±0.25	48	70	9
10	SMB 47-572685-1H2W	4	5.7 ^{+0.1} -0.2	2.6 ^{+0.1} -0.2	8.47±0.1	24	35	10
11	SMB 47-562540-2H	3	6±0.2	2.5±0.2	4±0.25	24	35	11
12	SMB 03-311552	1	3.1±0.2	1.48±0.215	5.2±0.25			
13	SMB 03-472978	1	4.75±0.2	2.9±0.2	7.8±0.25			

Surface Mount Beads

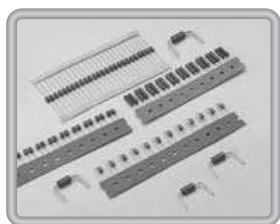
*The other specification can be designed & produced also.

● Shapes



Beads Cores

**The other specification can be designed & produced also.*



Bead Cores (Axial Lead Ferrite Beads)

Elettronica Rossoni two-terminal axial ferrite beads provide economical filtering for differential mode EMI Suppression applications. Constructed using a continuous gauge conductor, these devices are able to

withstand high peak currents. Beads are supplied assembled onto tinned copper wire to aid automated circuit assembly.

● Ordering Code

FBS	13 -	35	08	60 - T5	- R
(1)	(2)	(3)	(4)	(5)	(6) (7)

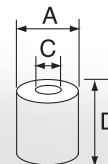
(1) Type Code	(4) C Size
(2) Design Code	(5) D Size
(3) A Size	

Bead inductors

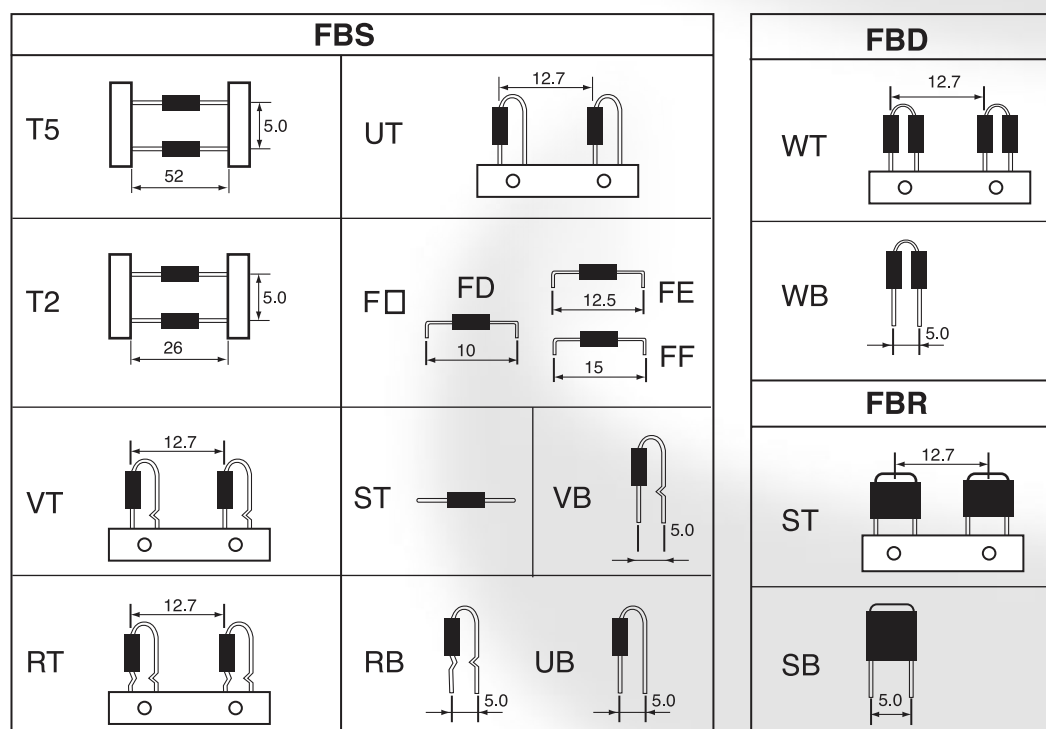
Outline: Bead inductor are axial and radial lead Data-line filters, which can be used in automated part insertion lines. Both types Provide effective countermeasures not only against noise radiation but also against equipment multifunction.

Features: Employ highperformance ferrites with superior frequency characteristics.

Application: prevent intrusion and radiation of unnecessary signals into the clock pulse oscillation section. Prevent spike noise. Prevent intrusion of unnecessary signals and radiated emission noises into various interfaces, except those for RGB and composite signals.



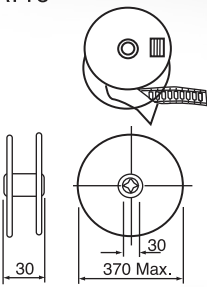
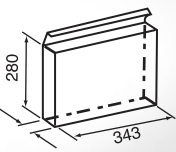
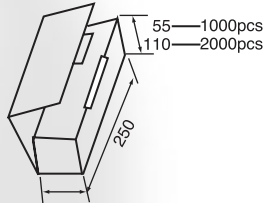
(6) Lead - Configuration



Beads Cores

*The other specification can be designed & produced also.

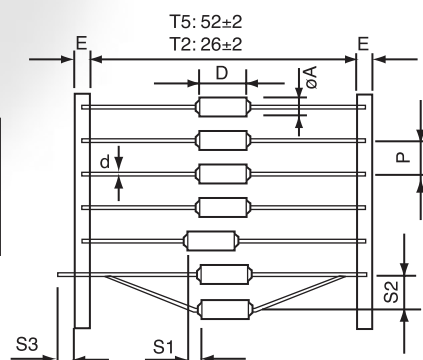
(7) Packing

R: T5  Quantity: 5,000 PCS/BOX	M: VT, RT, UT, WT, ST.  Quantity: 2,000 PCS/BOX	Z: T5, T2  T5: 75 T2: 50	B: BULK
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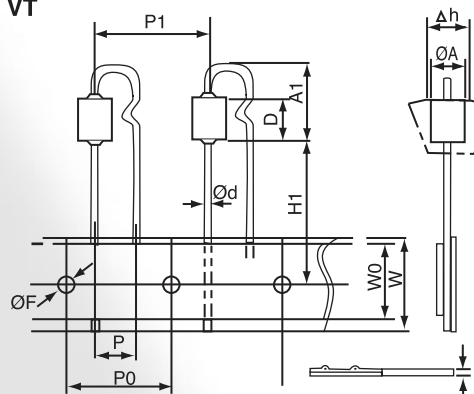
● Tapping Dimensions

T5, T2

ϕA	D	d	E	P	S1	S2	S3
3.5	8	0.65	6	5	1.2	2	0.5
± 0.15	± 0.2	± 0.03	± 1	± 0.5	max	max	max



VT



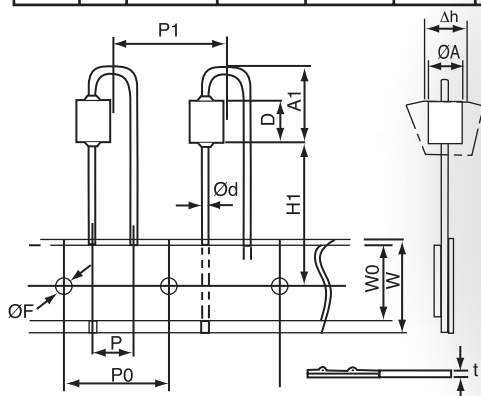
A1	ϕF	H1	P1	P0	P	W	W0	d	t	Δh
9 ⁺⁰	4	20 ^{+0.5} _{-1.0}	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{±1.0}	18 ^{±1.0}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

Beads Cores

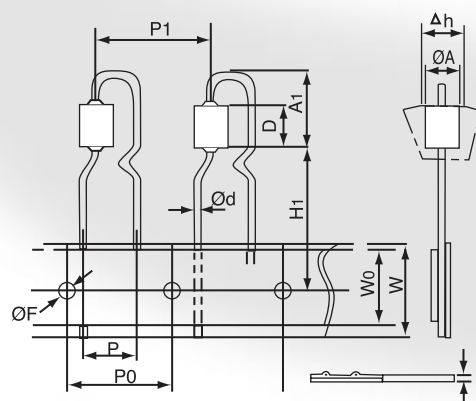
**The other specification can be designed & produced also.*

UT

A1	øF	H1	P1	P0	P	W	W0	d	t	Δh
9 ⁺⁰	4	20 ^{+0.5} _{-1.0}	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{±1.0}	18 ^{+1.0} _{-0.5}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

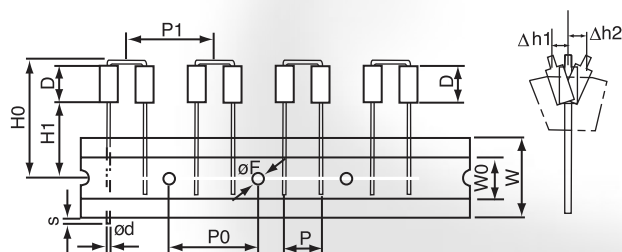


RT



A1	øF	H1	P1	P0	P	W	W0	d	t	Δh
12.5 ⁺⁰ 16 ⁺⁰	4	16.5 ^{±0.5}	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{±1.0}	18 ^{+1.0} _{-0.5}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

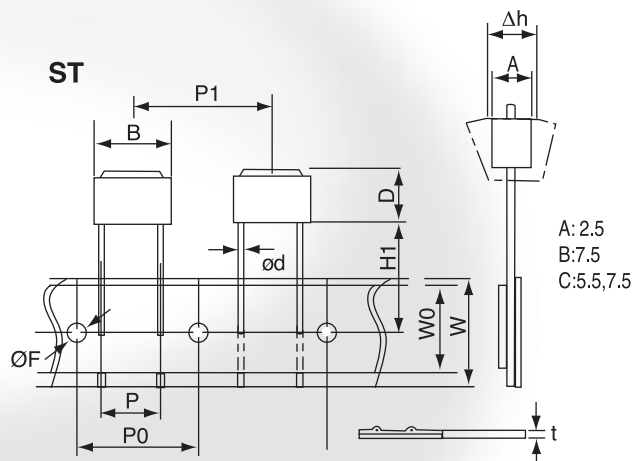
WT



A	D	øF	ød	G	H0	H1	P0	P1	W	W0	Δh1	Δh2	t	s
3.5	6	4	0.65	5	25	18	12.7	12.7	18	13	1	1	0.7	0.5
±0.15	±0.3	±0.3	±0.03	^{+0.8} _{-0.3}	max	±1	±0.2	/	±1	±1	max	max	±0.2	max

Beads Cores

**The other specification can be designed & produced also.*



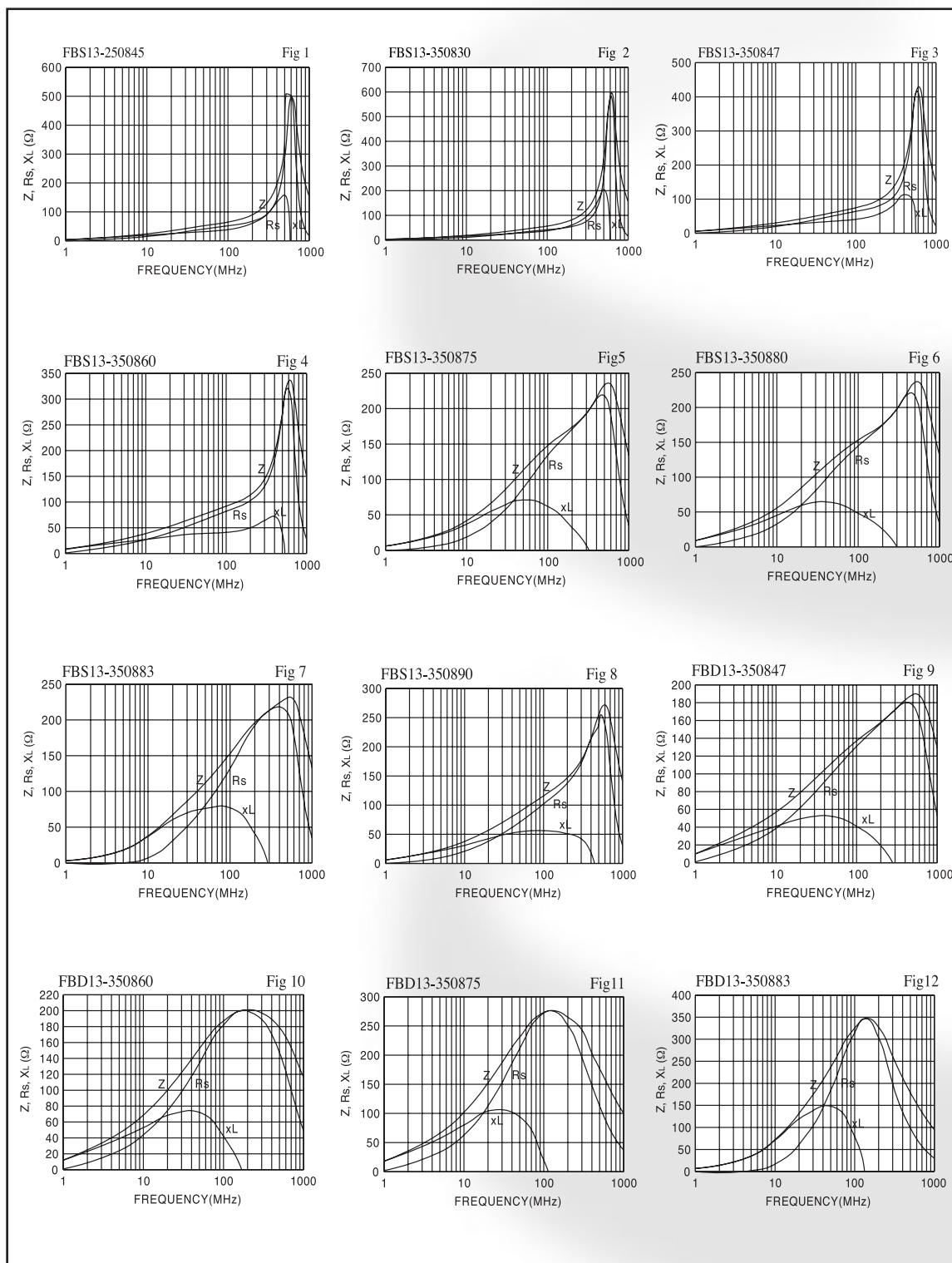
ØF	H1	P1	P0	P	W	W0	d	t	Δh
4	18 ^{+2.0} ₋₀	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{+1.0} _{-0.5}	18 ^{+1.0} _{-0.5}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

• Item & Characteristics

NO	TYPE	Material	Core Size	Lead Configuration	Impedance (Ω) min		(Z, Rs, XL)-f Curve Fig
					25MHz	100MHz	
1	FBS	13	250845	T5, T2, VT, RT, UT, VB, RB, UB, ST FD, FE, FF	32	50	1
2		13	350830		25	45	2
3		13	350847		35	60	3
4		13	350860		45	72	4
5		13	350875		60	120	5
6		13	350880		75	123	6
7		13	350883		62	125	7
8		13	350890		50	93	8
9	FBD	13	350847	WT, WB	70	110	9
10		13	350860		90	150	10
11		13	350875		135	218	11
12		13	350883		124	240	12
13		4	350883		108	235	13
14		13	350890		150	250	14
15	FBR	13	235575	ST, SB	80	150	15

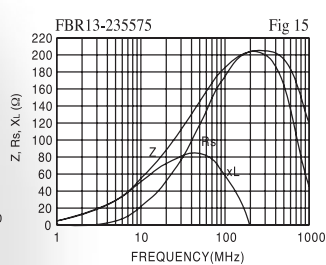
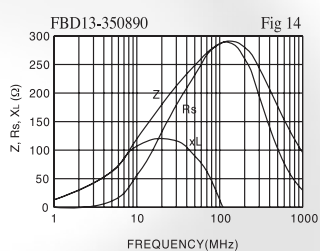
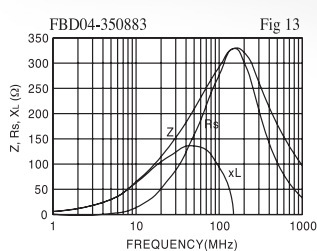
Beads Cores

**The other specification can be designed & produced also.*



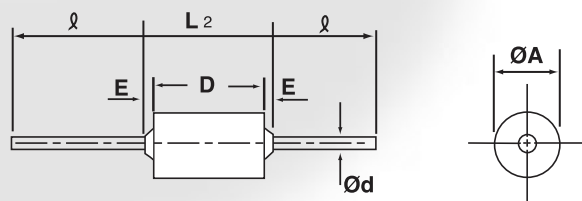
Beads Cores

**The other specification can be designed & produced also.*



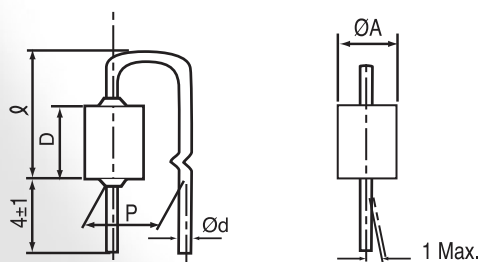
● Bulk Dimensions

ST



Type	ØA	D	E	Ød	l
FBS□-250845-ST	2.5±0.15	4.5±0.3	2max.	0.65±0.05	18min.
FBS□-350847-ST	3.5±0.15	4.7±0.3	2 max.		
FBS□-350860-ST	3.5±0.15	6±0.3	2.5 max.		
FBS□-350890-ST	3.5±0.15	9±0.4	2.5 max.		

VB

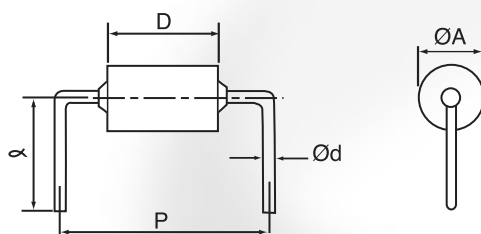


Type	Dimensions [mm]				
	ØA	D	l	P	Ød
FBS□-350847-VB	3.5±0.15	4.7±0.3	9.0 max.	5±1	0.6±0.05

Beads Cores

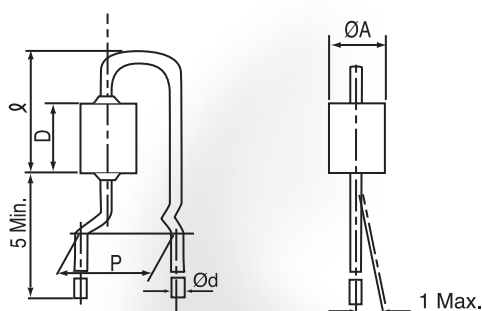
**The other specification can be designed & produced also.*

FD,FE,FF



Type		A	P	D	ød	ℓ
FBS □ -250845-FD	FD	2.5±0.15	10±1	4.5±0.3	0.65±0.05	7±2
FBS □ -350847-FD		3.5±0.15	10±1	4.7±0.3		7.5±2
FBS □ -350860-FD		3.5±0.15	10±1	6±0.3		7.5±2
FBS □ -250845-FE	FE	2.5±0.15	12.5±0.5	4.5±0.3	0.65±0.05	7±2
FBS □ -350847-FE		3.5±0.15	12.5±0.5	4.7±0.3		7.5±2
FBS □ -350860-FE		3.5±0.15	12.5±0.5	6±0.3		7.5±2
FBS □ -350890-FE		3.5±0.15	12.5±0.5	9±0.4		7.5±2
FBS □ -250845-FF	FF	2.5±0.15	15±0.1	4.5±0.3	0.65±0.05	7±2
FBS □ -350847-FF		3.5±0.15	15±0.1	4.7±0.3		7.5±2
FBS □ -350860-FF		3.5±0.15	15±0.1	6±0.3		7.5±2
FBS □ -350890-FF		3.5±0.15	15±0.1	9±0.4		7.5±2

RB

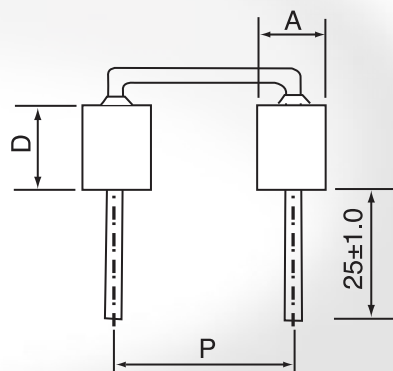


Type	Dimensions [mm]				
	øA	D	ℓ	P	ød
FBS □ -350847-RB	3.5±0.15	4.7±0.3	12.5 max.	5±1	0.65±0.05
FBS □ -350860-RB	3.5±0.15	6±0.3	12.5 max.	5±1	
FBS □ -350890-RB	3.5±0.15	9±0.3	16 max.	5±1	

Beads Cores

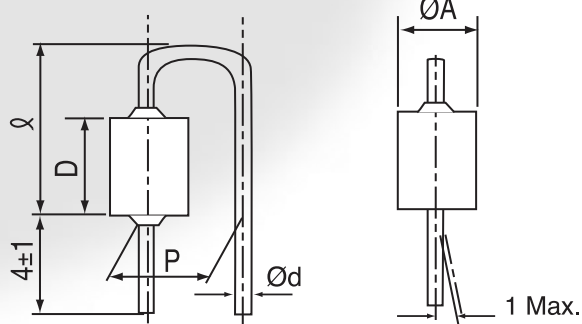
**The other specification can be designed & produced also.*

WB



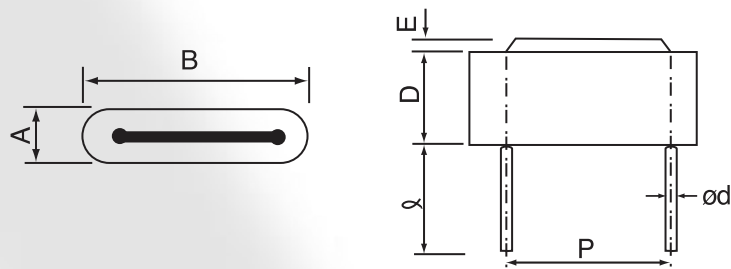
A: 3.5 ± 0.15
D: 4.7 ± 0.3 , 6.0 ± 0.3 ,
 7.5 ± 0.3 , 8.0 ± 0.3 ,
 9.0 ± 0.4

UB



Type	Dimensions [mm]				
	ØA	D	l	P	Ød
FBS□-250845-uB	2.5 ± 0.15	4.5 ± 0.3	9 max.	5 ± 1	0.65 ± 0.05
FBS□-350847-uB	3.5 ± 0.15	4.7 ± 0.3	9 max.	5 ± 1	

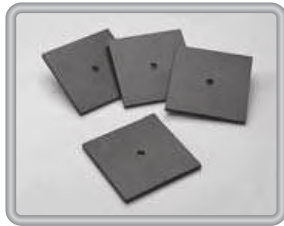
SB



Type	A	B	D	E	P	l	Ød
FBR13-235575-SB	2.5 max	7.5 ± 0.5	5.5	1.5 max	$5^{+1}_{-0.5}$	5^{+1}_{-2}	0.6 ± 0.05
FBR13-237575-SB	2.5 max	7.5 ± 0.5	7.5	1.5 max	$5^{+1}_{-0.5}$	5^{+1}_{-2}	

Ferrite tile for EMI Suppression

**The other specification can be designed & produced also.*



Tile Absorber

Ferrite Tile is the industry standard size and exhibits excellent overall performance Vs cost. These 100mm tiles can be installed individually using screws or adhesive and are optionally available in panel format. The Thickness is depend on customers requested. Tiles are surface ground on all sides to precise mechanical tolerances, minimizing gaps between adjacent tiles to ensure maximum low-frequency performance.

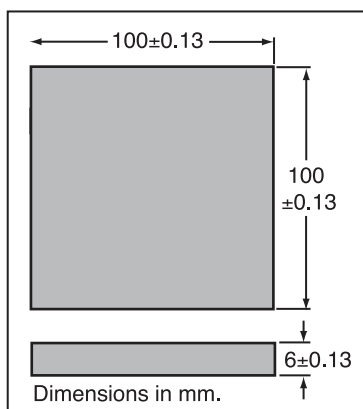
Outline: Ferrite tiles were absorbing materials which are utility magnetic resonance. Tiles has excellent physical qualities like normal decorative tiles for buildings, and is absorption for prevention of electromagnetic wave reflection.

Feature: 1. absorbtion of ferrite electromagnetic wave.
2. wide frequency and not easy to be burned.

Applications: 1. EMC Electromagnetic wave anechoic chamber.
2. buildings electromagnetic wave reflection.

ABSORBING FERRITE TILES

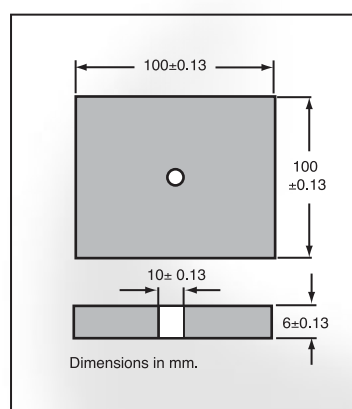
These tiles provide effective absorption of electro-magnetic waves in the frequency range from 30 to 1000 MHz.



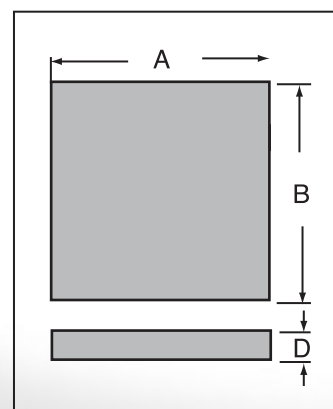
FREQUENCY RANGE (MHz)
30 TO 1000 MASS(g)=330

ABSORBING FERRITE TILES WITH FIXING HOLE

These tiles provide effective absorption of electro-magnetic waves in the frequency range from 30 to 1000 MHz; the central hole simplify reliable fixation.



FREQUENCY RANGE (MHz)
30 TO 1000 MASS(g)=310



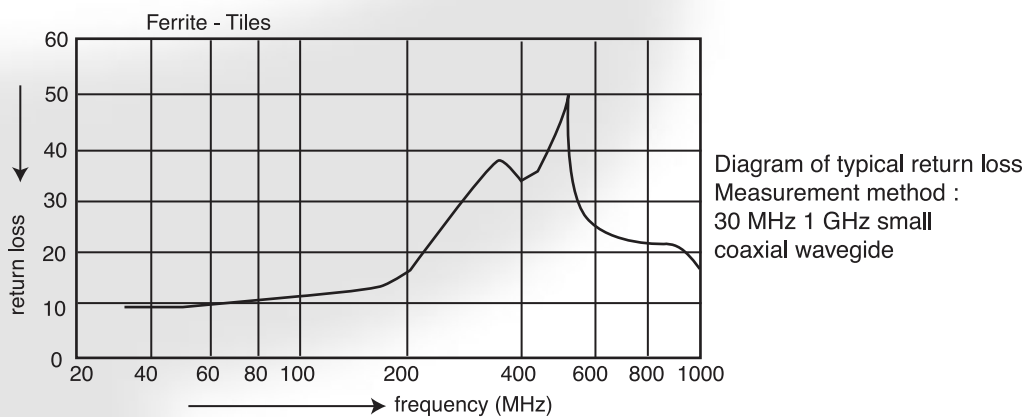
Ferrite tile for EMI Suppression

**The other specification can be designed & produced also.*

● Electric Properties

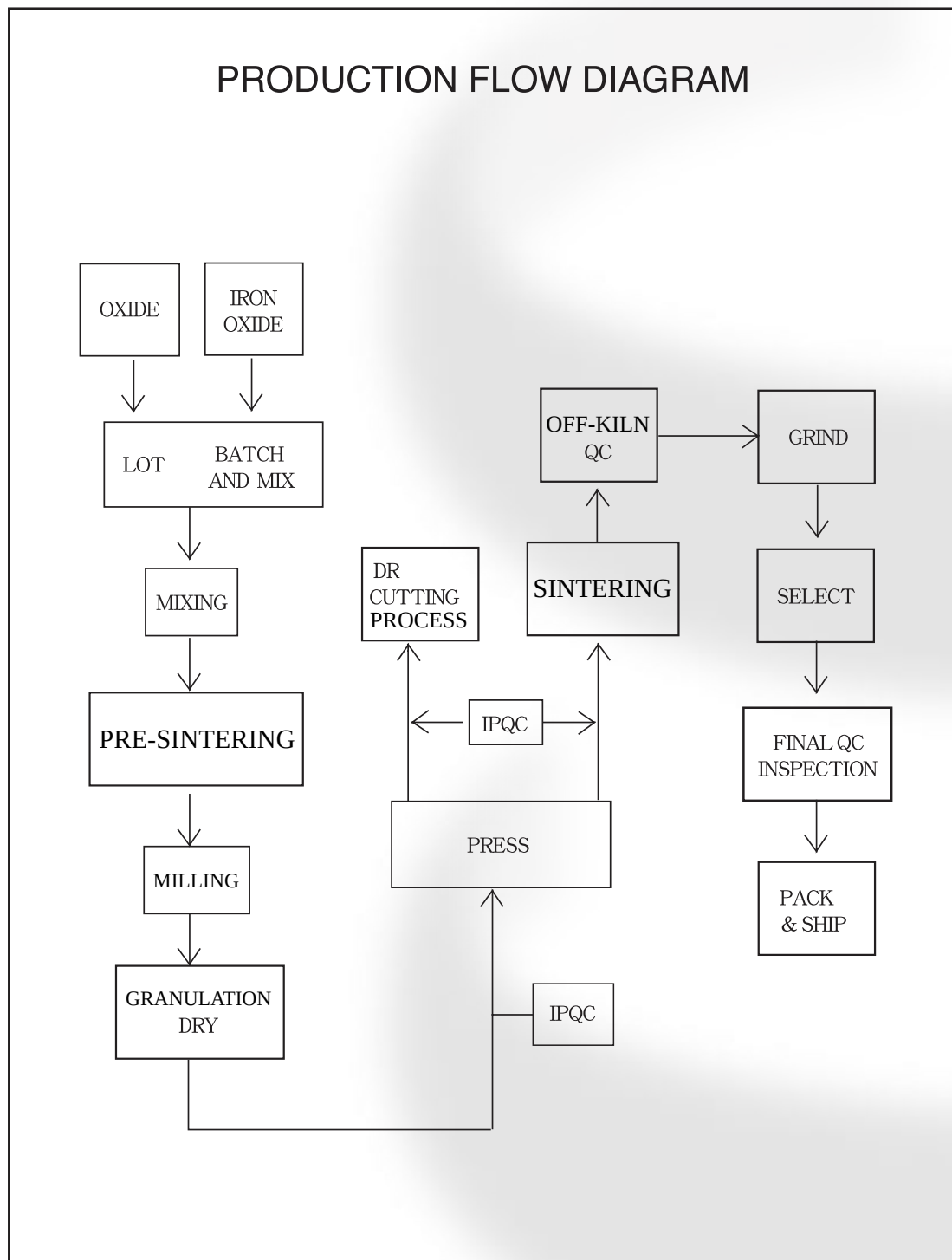
Description	T-0500
Center Frequency (-48dB)	500MHz
Size ($\pm 0.13\text{mm}$)	100mm x 100mmXT T=6.00~7.00mm

● Reflection Attenuation Vs. Frequency Characteristics



NO	ITEM	A	B	D
1.	I 20.3 X15.3X0.85	20.3 $\pm$ 0.15	15.3 $\pm$ 0.15	0.85 $\pm$ 0.1
2.	I 20.0 X18.0 X1.50	20.0 $\pm$ 0.15	15.0 $\pm$ 0.15	1.50 $\pm$ 0.1
3.	I 23.0 X23.0X0.80	23.0 $\pm$ 0.15	23.0 $\pm$ 0.15	0.80 $\pm$ 0.1

**The other specification can be designed & produced also.*



**The other specification can be designed & produced also.*

Preferred Number

• PREFIXES USED IN THE METRIC SYSTEM

T	:	tera	=10 ¹²	=1,000,000,000,000
G	:	giga	=10 ⁹	= 1,000,000,000
M	:	mega	=10 ⁶	= 1,000,000
k	:	kilo	=10 ³	= 1,000
h	:	hecto	=10 ²	= 100
da	:	deka	=10 ¹	=
d	:	deci	=10 ⁻¹	=0.1
c	:	centi	=10 ⁻²	=0.01
m	:	milli	=10 ⁻³	=0.001
u	:	micro	=10 ⁻⁶	=0.000,001
n	:	nano	=10 ⁻⁹	=0.000,000,001
p	:	pico	=10 ⁻¹²	=0.000,000,000,001

e.g. 1 giga watt= 1,000 million W=1 million KW

Series	E STANDARD NUMBER		
	E6	E12	E24
RATIO	$\sqrt[6]{10}$	$\sqrt[12]{10}$	$\sqrt[24]{10}$
	1.4768	1.2115	1.007
TOLERANCE	±20%	±10%	±5%
1.0	1.0	1.0	1.0
		1.1	1.1
		1.2	1.2
1.5	1.5	1.5	1.5
		1.6	1.6
		1.8	1.8
2.2	2.2	2.2	2.2
		2.4	2.4
		2.7	2.7
3.3	3.3	3.3	3.3
		3.6	3.6
		3.9	3.9
4.7	4.7	4.7	4.7
		5.1	5.1
		5.6	5.6
6.8	6.8	6.8	6.8
		7.5	7.5
		8.2	8.2

NEMA Enameled Copper Wire Gauge

AWG Size	Bare wire Diameter (mm)			SINGLE (mm)		HEAVY (mm)	
	Min.	NOR.	Max.	Min. Increase in Radius	Max. Over all Diameter	Min. Increase in Radius	Max. Over all Diameter
1		7.348					
2		6.543					
3		5.826					
4		5.189					
5		4.620					
6	4.074	4.115	4.135			0.0445	4.244
7	3.630	3.665	3.683			0.0430	3.787
8	3.231	3.264	3.282			0.0420	3.383
9	2.878	2.906	2.921			0.0405	3.020
10	2.563	2.588	2.601			0.0395	2.695
11	2.281	2.304	2.316			0.0380	2.408
12	2.032	2.052	2.062			0.0370	2.151
13	1.811	1.829	1.839			0.0355	1.923
14	1.613	1.628	1.636	0.0205	1.692	0.0405	1.732
15	1.435	1.450	1.458	0.019	1.509	0.038	1.547
16	1.278	1.290	1.298	0.018	1.349	0.037	1.384
17	1.138	1.151	1.156	0.018	1.206	0.0355	1.240
18	1.013	1.024	1.029	0.0165	1.077	0.033	1.110
19	0.902	0.912	0.917	0.015	0.963	0.032	0.993
20	0.805	0.813	0.818	0.015	0.861	0.029	0.892
21	0.716	0.724	0.726	0.014	0.770	0.028	0.798
22	0.635	0.643	0.645	0.014	0.686	0.0265	0.714
23	0.569	0.574	0.577	0.0125	0.617	0.0255	0.643
24	0.505	0.511	0.513	0.0125	0.551	0.024	0.577
25	0.450	0.455	0.457	0.0115	0.493	0.023	0.516
26	0.399	0.404	0.406	0.0115	0.439	0.0215	0.462
27	0.358	0.361	0.363	0.0100	0.396	0.0205	0.417
28	0.318	0.320	0.323	0.0100	0.356	0.0205	0.373
29	0.284	0.287	0.290	0.090	0.320	0.019	0.338
30	0.251	0.254	0.257	0.090	0.284	0.018	0.302
31	0.224	0.226	0.229	0.075	0.254	0.0165	0.274
32	0.201	0.203	0.206	0.075	0.231	0.015	0.249
34	0.157	0.160	0.163	0.0065	0.183	0.0125	0.198
35	0.140	0.142	0.145	0.0065	0.163	0.0115	0.178
36	0.124	0.127	0.130	0.0050	0.147	0.010	0.160
37	0.112	0.114	0.117	0.0050	0.132	0.010	0.145
38	0.099	0.102	0.104	0.0040	0.119	0.009	0.130
39	0.086	0.089	0.091	0.0040	0.104	0.0075	0.114
40	0.076	0.079	0.081	0.0025	0.094	0.0075	0.102
41	0.069	0.071	0.074	0.0025	0.084	0.0065	0.091
42	0.061	0.064	0.066	0.0025	0.076	0.005	0.081
43	0.053	0.056	0.058	0.0025	0.066	0.005	0.074
44	0.048	0.051	0.053	0.0015	0.061	0.005	0.069
45	0.043	0.047	0.047	0.00125	0.0521	0.0038	0.0584
46	0.038	0.0399	0.042	0.00125	0.0470	0.0038	0.0533
47	0.034	0.0356	0.038	0.00125	0.0432	0.0038	0.0483
48	0.030	0.0315	0.034	0.00125	0.0381	0.00255	0.0432
49	0.026	0.0282	0.030	0.00125	0.033	0.00255	0.0381
50	0.023	0.0252	0.027	0.00125	0.0305	0.00255	0.0356

**The other specification can be designed & produced also.*

Relation of Metric (SI) Units to English or Customary Units

	Metric Symbol	Metric / SI Units	English or Customary Symbol	English or Customary Units	Multiplicaiton Factor to Convert from English to Metric SI Units
Length	m	meter	in or (")	inch	2.54×10^{-2}
	mm	millimeter	in or (")	inch	25.4
Area	m ²	square meter	in ²	square inches	6.45×10^{-4}
Volume	m ³	cubic meter	ft ³	cubic feet	0.0283
Mass	kg	kilogram	# or lb	pounds	0.454
Celsius Temperature	°C	degree celsius	°F	degree fahrenheit	(°F-32) 5/9
Density	kg/m ³	kilogram per cubic meter	# / ft ³	pounds per cubic feet	16.018
Electric resistance	Ω	ohm	Ω	ohm	1
Electric charge	C	coulomb	E.M.	electric charge per mass	10
Electric current	A	Ampere	I	Ampere	1
Electric potential, electromotive force	V	Volt	E	Volt	1
Frequency	Hz	Hertz	Cps	cycles per second	1
Inductance, Inductor	H	Henry	L	Henry	1
Magnetic field strength	A/m	Ampere per meter	Oe	Oersteds	79.58
Magnetic flux	Wb	Weber	Mx	maxwells	1×10^{-8}
Magnetic flux density, Magnetic Induction	T	Telsa	g	gauss	1×10^{-4}
Permeability	H/m	Henry per meter	μ	(Unit-less)	4×10^{-7}
Power	W	Watt	W	Watt	1
Pressure, stress	Pa	Pascal	PSI	pounds per square inch	6896.5

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

- Verify periodically the results of planned Quality-Indicators referred to company processes;
- Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;
- Keep updated our personnel and their operative processes according to reference laws and regulations;
- Expand our productive capacity in China to enhance our market competitiveness;
- Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Elettronica Rossoni



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Electronica Rossoni

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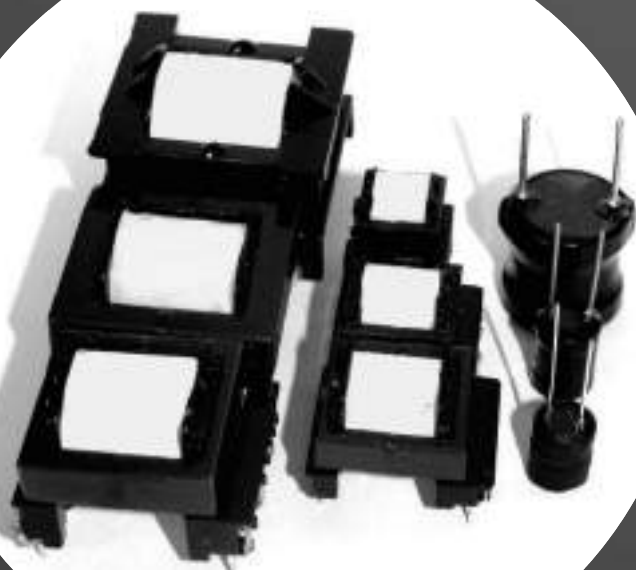
CONSUMER
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Switch Power Safety Transformers Series
Designed for
SmartPower controller family

LIGHTING
TECHNOLOGY



Eletronica Rossoni

Eletronica Rossoni Switch Power Safety Transformers Series Smart Power Series

Plug & Play

With over 40 years of experience we have created a standard transformer solutions for Switching-Mode Power Supply control IC's. All of our designs meet following safety and performance criteria and are in active production fulfilling many applications.

Safety Standards EN 60065

EN 60950

EN 60335

EN 61558

Important notes for any design

Performance

Because a poorly designed transformer will produce an inefficient and low performing power supply even with the best switching technology.

Transformer is one of the most complex part of Switching-Mode Power Supply.

Switch Power Safety Transformers Series have been develop for support you

Safety

Because the transformer provides the main safety isolation barrier between lethal voltage and the end user. Having the correct and safe construction of an isolating transformer is vital.

EN safety standards require great detail on the specification of wound components. The qualification and design of safety rated parts are often difficult and time consuming.

Switch Power Safety Transformers Series have been develop for support you

Reliability

Because variations in tolerance or quality can lead to expensive over design and field failure. Using standard product is vital.

Switch Power Safety Transformers Series have been develop for support you



Providing SOLUTION is our APTITUDE

Safety

- Integrated Safety Margin
- 3.75kV Primary to Secondary Isolation as Standard
- All parts use UL listed Materials
- Using TIW (UL E332887; VDE 40032774)
- Complies with EN Safety Standards

Switch Power Safety Transformers Series have been develop for support you.

Performance

- Low Loss Ferrite Material
- Low Leakage Inductance
- Low Inter-winding capacitance
- Improved EMC performance

Switch Power Safety Transformers Series have been develop for support you.

Reliability

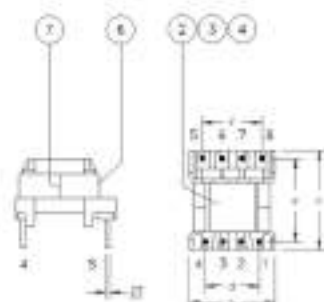
- 100% Test
- Triple Insulated Wire On All Parts
- Automated Production Process

Switch Power Safety Transformers Series have been develop for support you.

Simple To Design With

- Samples always available
- Clear and complete specification
- 50 piece pack sizes for prototyping
- Technical support

Switch Power Safety Transformers Series have been develop for support you.



Inductor Non Isolated AC-DC from 2W to 4W

For Use With LNK302/4/5/6

POWER	V _{in}	V _{out}	INDUCTANCE	IC	CORE SHAPE	STAMP CODE	PART NUMBER
2W	85-265VAC	5-15V/110mA	1mH	LNK302/4	Drum06	/	DR0610-102K
2W	85-265VAC	5-15V/90mA	1.5mH	LNK302/4	Drum06	/	DR0610-152K
2W	85-265VAC	5-15V/80mA	2.2mH	LNK302/4	Drum06	ER2778	DR0610-222K
2W	85-265VAC	5-15V/60mA	3.3mH	LNK302/4	Drum06	/	DR0610-332K
4W	85-265VAC	5-15V/380mA	0.68mH	LNK302/4/5/6	Drum08	/	DR0810-681K
4W	85-265VAC	5-15V/290mA	1mH	LNK302/4/5/6	Drum08	ER0318	DR0810-102K
4W	85-265VAC	5-15V/230mA	1.2mH	LNK302/4/5/6	Drum08	/	DR0810-122K
4W	85-265VAC	5-15V/150mA	1.5mH	LNK302/4/5/6	Drum08	/	DR0810-152K
4W	85-265VAC	5-15V/350mA	2.2mH	LNK302/4/5/6	Drum10	/	DR1012-222K

Drum06

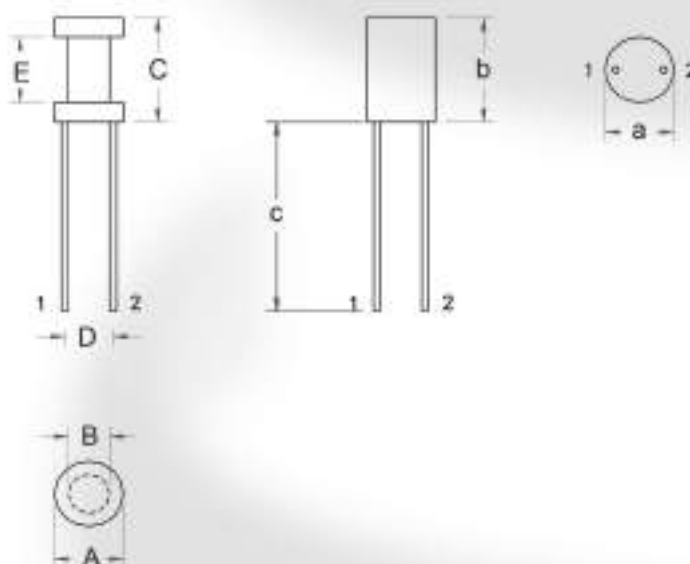
a	= 7.0	MAX
b	= 9.5	MAX
c	= 10.0	min
A	= 6.0	±0.2
B	= 2.5	±0.15
C	= 8.3	±0.3
D	= 3.0	ref
E	= 4.0	±0.15

Drum08

a	= 9.0	MAX
b	= 11.5	MAX
c	= 15.0	min
A	= 8.0	±0.2
B	= 4.5	±0.5
C	= 10.0	±0.3
D	= 5.0	ref
E	= 5.50	±0.2

Drum10

a	= 13.0	MAX
b	= 18.0	MAX
c	= 15.0	min
A	= 10.0	±0.3
B	= 5.5	±0.2
C	= 16.0	±0.6
D	= 4.5	ref
E	= 10.0	±0.4



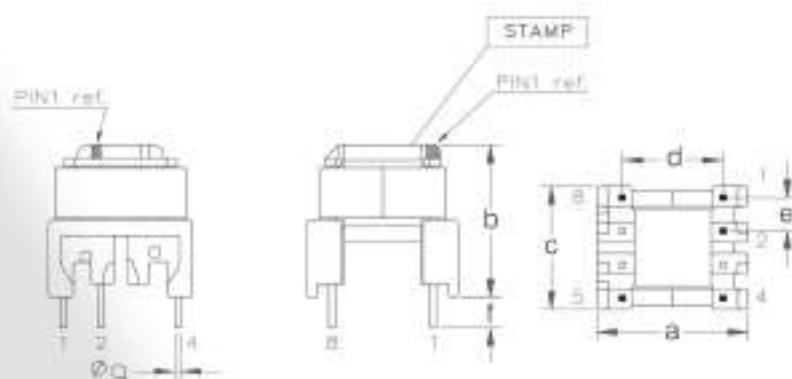
Transformers AC-DC from 2.8W to 4.5W

EE1312 CORE SHAPE

For Use With LNK363/500/501/520/562/563/564&TNY263/264

POWER	V _{in}	V _{out1}	V _{out2}	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
2.8W	85-265VAC	5-7V/0.75A	/	LNK362	EE1312	/	ERFT17-01	E0008
2.8W	85-265VAC	9-12V/0.3A	/	LNK362	EE1312	/	ERFT17-02	E0008
2.8W	85-265VAC	13.7V/0.3A	/	LNK362	EE1312	/	ERFT17-03	E0008
2.8W	85-265VAC	15-18V/0.8A	/	LNK362	EE1312	/	ERFT17-04	E0008
3W	85-265VAC	5-6V/0.75A	/	LNK520	EE1312	/	ERFT17-00	E0008
3W	85-265VAC	12V/0.25A	/	TNY263	EE1312	/	ERFT17-14	E0008
3W	85-265VAC	24V/0.125A	/	TNY263	EE1312	/	ERFT17-15	E0008
3W	85-265VAC	24V/0.125A	/	LNK520	EE1312	/	ERFT17-22	E0008
3W	85-265VAC	5-7V/0.75A	/	LNK562/3/4	EE1312	/	ERFT17-23	E0008
3W	85-265VAC	12-14V/0.2A	/	LNK562/3/4	EE1312	/	ERFT17-24	E0008
4W	85-265VAC	3-4V/1A	/	LNK500/1	EE1312	ER2863	ERFT17-05	E0008
4W	85-265VAC	5-6V/0.75A	/	LNK500/1	EE1312	ER2815	ERFT17-06	E0008
4W	85-265VAC	11-12V/0.3A	/	LNK500/1	EE1312	ER2855	ERFT17-07	E0008
4W	85-265VAC	14-15V/0.2A	/	LNK500/1	EE1312	ER2864	ERFT17-08	E0008
4W	85-265VAC	24V/0.15A	/	LNK500/1	EE1312	ER2866	ERFT17-09	E0008
4W	85-265VAC	12V/0.3A	24V/0.15A	LNK500/1	EE1312	/	ERFT17-10	E0008
4W	195-265VAC	15V/0.13A	24V/0.1A	TNY263/4	EE1312	/	ERFT17-11	E0008
4W	195-265VAC	18V/0.3A	/	TNY263/4	EE1312	/	ERFT17-12	E0008
4W	195-265VAC	5V-6V/0.8A	/	TNY263/4	EE1312	/	ERFT17-13	E0008
4W	85-265VAC	5-6V/0.75A	/	LNK520	EE1312	/	ERFT17-20	E0008
4W	85-265VAC	10-12V/0.3A	/	LNK520	EE1312	/	ERFT17-21	E0008
4.5W	85-265VAC	5-7V/0.4A	/	LNK363	EE1312	/	ERFT17-16	E0008
4.5W	85-265VAC	9-12V/0.7A	/	LNK363	EE1312	/	ERFT17-17	E0008
4.5W	85-265VAC	13.7V/0.7A	/	LNK363	EE1312	/	ERFT17-18	E0008
4.5W	85-265VAC	15-18V/0.25A	/	LNK363	EE1312	/	ERFT17-19	E0008

EE1312	
a	= 16.0 MAX
b	= 18.0 MAX
c	= 14.5 MAX
d	= 10.0 ±0.3
e	= 3.8 ±0.3
f	= 3.5 min
g	= 0.80 ±0.05



Transformers AC-DC from 1.5W to 9W

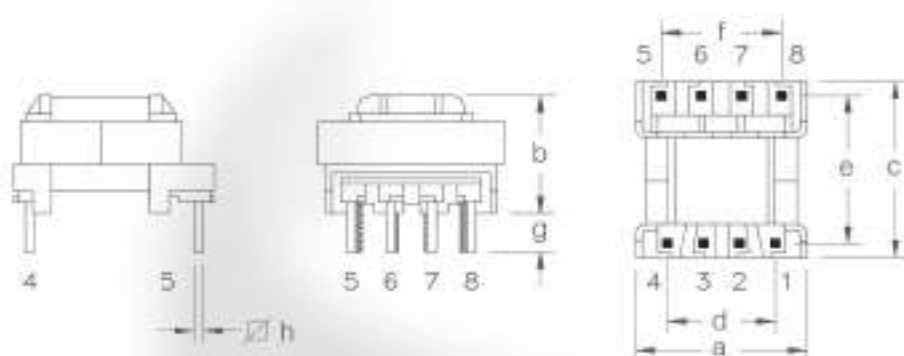
EE1616 CORE SHAPE

For Use With LNK364/500/501&TNY263/264/265/266/267/274/275/276/277

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
1.5W	85-265VAC	6V/0.1A	6V/0.1A	TNY263	EE1616	/	ERFT24-12	EE0808
3W	85-265VAC	6V/0.5A	/	TNY263/4	EE1616	/	ERFT24-03	EE0808
3W	85-265VAC	15V/0.2A	/	TNY263	EE1616	/	ERFT24-06	EE0808
3W	85-265VAC	24V/0.12A	/	TNY263/4	EE1616	/	ERFT24-07	EE0808
3W	85-265VAC	6V/0.25A	6V/0.25A	TNY263/4	EE1616	ER2810	ERFT24-13	EE0808
4W	85-265VAC	3-4V/1A	/	LNK500/1	EE1616	/	ERFT24-01	EE0808
4W	85-265VAC	5-6V/0.75A	/	LNK500/1	EE1616	/	ERFT24-02	EE0808
4W	85-265VAC	10-12V/0.3A	/	LNK500/1	EE1616	/	ERFT24-04	EE0808
4W	85-265VAC	14-15V/0.2A	/	LNK500/1	EE1616	/	ERFT24-05	EE0808
6W	85-265VAC	5-7V/0.4A	/	LNK364	EE1616	/	ERFT24-08	EE0808
6W	85-265VAC	9-12V/0.7A	/	LNK364	EE1616	/	ERFT24-09	EE0808
6W	85-265VAC	13-17V/0.7A	/	LNK364	EE1616	/	ERFT24-10	EE0808
6W	85-265VAC	15-18V/0.33A	/	LNK364	EE1616	/	ERFT24-11	EE0808
6W	85-265VAC	12V/0.25A	12V/0.25A	TNY263/4	EE1616	ER2753	ERFT24-14	EE0808
6W	85-265VAC	6V/0.5A	6V/0.25A	TNY265/6/274	EE1616	ER2802	ERFT24-15	EE0808
6W	85-265VAC	12V/0.25A	12V/0.25A	TNY265	EE1616	ER2800	ERFT24-16	EE0808
8W	85-265VAC	5-7V/1.2A	/	TNY275/6/7	EE1616	/	ERFT24-19	EE1313
8W	85-265VAC	8-12V/0.8A	/	TNY275/6/7	EE1616	/	ERFT24-20	EE1313
8W	85-265VAC	12-15V/0.6A	/	TNY275/6/7	EE1616	/	ERFT24-21	EE1313
8W	85-265VAC	25V/0.28A	/	TNY275/6/7	EE1616	/	ERFT24-22	EE1313
9W	85-265VAC	6V/0.75A	6V/0.75A	TNY267	EE1616	ER2741	ERFT24-17	EE1313
9W	85-265VAC	12V/0.4A	5V/0.9A	TNY267	EE1616	/	ERFT24-00	EE1313
9W	85-265VAC	12V/0.36A	12V/0.36A	TNY267	EE1616	ER2752	ERFT24-18	EE1313

EE1616

a	= 19.0	MAX
b	= 14.5	MAX
c	= 22.5	MAX
d	= 11.4	±0.5
e	= 17.8	±0.5
f	= 12.7	±0.1
g	= 3.5	±0.5
h	= 0.5	±0.05



Transformers AC-DC from 14W to 22W

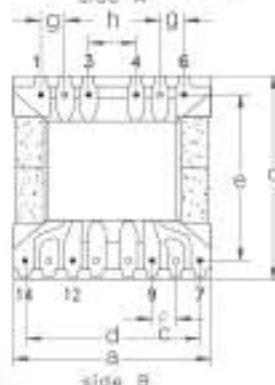
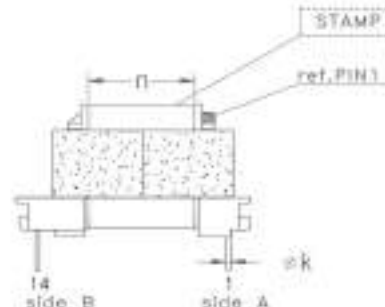
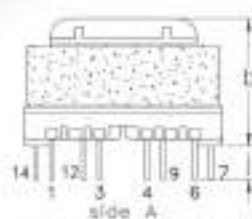
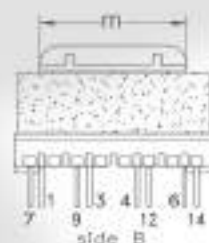
EE2020 CORE SHAPE

For Use With LNK364/500/501&TNY263/264/265/266/267/274/275/276/277

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
14W	85-265VAC	5V/0.8A	24V/0.4A	TNY267	EE2020	ER2793	ERFT14-05	EE1313
18W	85-265VAC	6V/1.5A	6V/1.5A	TNY279	EE2020	/	ERFT14-06	EE1313
18W	85-265VAC	6V/1.25A	6V/1.25A	TNY279	EE2020	/	ERFT14-02	EE1313
18W	195-265VAC	6V/1.5A	6V/1.5A	TNY268	EE2020	ER2742	ERFT14-05	EE1313
18W	195-265VAC	12V/0.75A	12V/0.75A	TNY268	EE2020	ER2758	ERFT14-06	EE1313
18W	195-265VAC	24V/0.5A	6V/1A	TNY268	EE2020	/	ERFT14-07	EE1313
18W	195-265VAC	18V/0.5A	18V/0.5A	TNY268	EE2020	ER2867	ERFT14-08	EE1313
22W	195-265VAC	5V/0.8A	24V/0.8A	TOP242/3	EE2020	ER2820	ERFT14-01	EE1616
22W	195-265VAC	5-6V/3.6A	12V/1.8A	TOP242/3	EE2020	ER2819	ERFT14-03	EE1616
22W	195-265VAC	8V/0.25A	12V/1.2A	TOP242/3	EE2020	/	ERFT14-04	EE1616
22W	195-265VAC	12V/0.9A	12V/0.9A	TOP242/3	EE2020	ER2821	ERFT14-10	EE1616

EE2020

a	= 21.5	MAX
b	= 15.4	±0.2
c	= 25.1	MAX
d	= 17.5	±0.3
e	= 20.0	±0.3
f	= 2.5	±0.1
g	= 2.5	±0.1
h	= 5.0	±0.2
i	= 4.0	min
j	= 0.6±0.6	±0.05
m	= 15.5	±0.2
n	= 12.0	±0.2



Transformers AC-DC from 28W to 45W

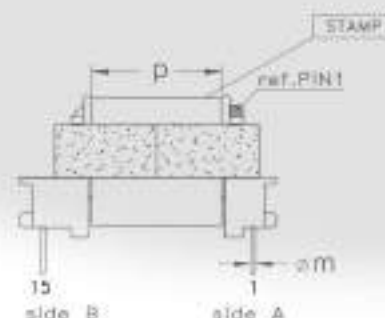
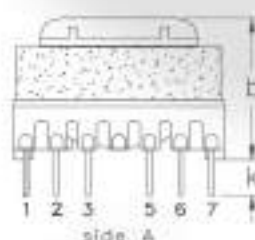
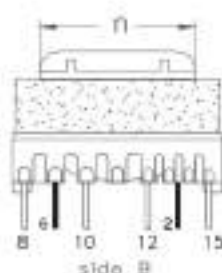
EE2525 CORE SHAPE

For Use With TOP244/245 & TNY280

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
28W	85-265VAC	6V/2.1A	6V/2.1A	TNY280	EE2525	/	ERFT25-00	EE1616
28W	85-265VAC	13.8V/1A	13.8V/1A	TNY280	EE2525	ER2872	ERFT25-01	EE1616
28W	195-265VAC	12-14V/1A	12-14V/1A	TOP244	EE2525	ER2847	ERFT25-02	EE1616
34W	195-265VAC	24V/1.5A	5V/2.5A	TOP244	EE2525	/	ERFT25-03	EE1616
34W	195-265VAC	5V/2.5A	12V/1.8A	TOP244	EE2525	ER2875	ERFT25-04	EE1616
45W	195-265VAC	30V/0.75A	30V/0.75A	TOP245	EE2525	ER2887	ERFT25-05	EE1616
45W	195-265VAC	12V/1.9A	12V/1.9A	TOP245	EE2525	/	ERFT25-06	EE1616

EE2525

a	= 26.5	MAX
b	= 21.0	MAX
c	= 32.0	MAX
d	= 22.7	±0.3
e	= 3x2.5	±0.1
f	= 4x3.8	±0.3
g	= 25.8	±0.3
h	= 3.8	±0.1
i	= 22.8	±0.3
l	= 3.5	min
m	= 0.5x0.5	±0.05
n	= 17.1	±0.3
o	= 15.8	±0.2



Transformers AC-DC from 50W to 56W

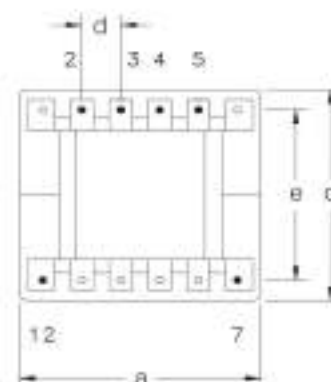
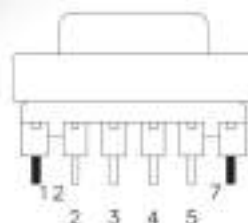
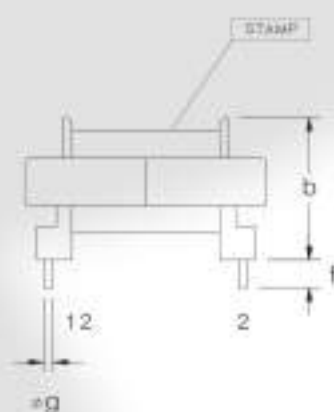
EE3030 CORE SHAPE

For Use With TOP246/247

POWER	V _{in}	V _{out1}	V _{out2}	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
50W	195-265VAC	5V/2.5A	24V/1.5A	TOP246	EE3030	ER2348	ERFT16-00	EE2020
56W	195-265VAC	28V/2A	/	TOP247	EE3030	ER2349	ERFT16-01	EE2020
50W	195-265VAC	4V/3.5A	/	TOP247	EE3030	/	ERFT16-02	EE2020

EE3030

a	= 31.5	MAX
b	= 21.0	MAX
c	= 31.0	MAX
d	= 5.0	±0.3
e	= 25.0	±0.5
f	= 4.0	min
g	= 0.60	±0.05



Transformers AC-DC from 68W to 96W

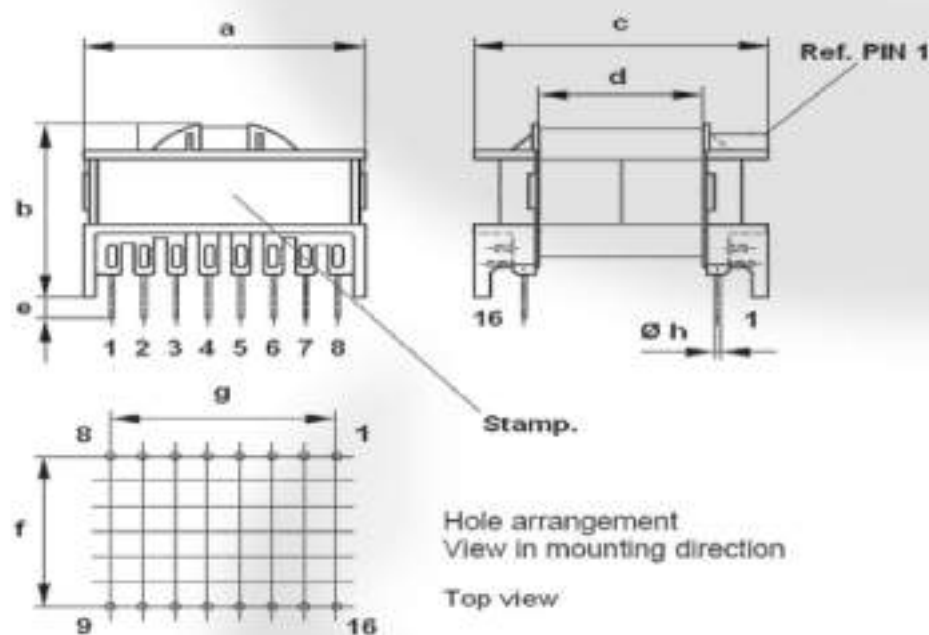
ETD3940 CORE SHAPE

For Use With TOP244/245 & TNY280

POWER	Vin	Vout1	Vout2	IC	CORE SHAPE	STAMP CODE	PART NUMBER	SUGGESTED COMMON MODE
96W	195-265VAC	27-30V/3.2A	/	TOP247	ETD3940	ER2390	ERFT39-00	EE2020
68W	195-265VAC	13-15V/4.5A	/	TOP247	ETD3940	/	ERFT39-01	EE2020
96W	195-265VAC	24V/4A	/	TOP247	ETD3940	/	ERFT39-02	EE2020

ETD3940

a	=	44.6	MAX
b	=	36.0	MAX
c	=	44.2	MAX
d	=	25.7	min
e	=	4.0	min
f	=	30.45	±0.05
g	=	7x4.95	±0.05
h	=	1.0	±0.03



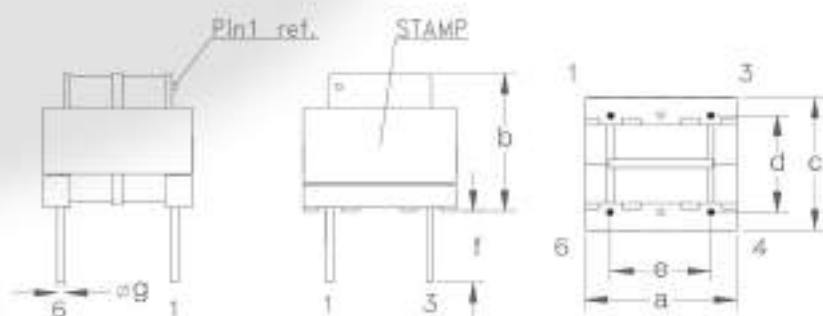
Common Mode from 0,25A to 0,4A

EE0808 CORE SHAPE

For Use With EE1313 & EE1616 Switch Power Safety Transformers Series

I	Inductance	V _{is}	Core Shape	STAMP CODE	PART NUMBER
0,40A	4,7mH	85-265VAC	EE0808	/	ERCD26-02
0,35A	7mH	85-265VAC	EE0808	/	ERCD26-01
0,25A	9mH	85-265VAC	EE0808	ER2416	ERCD26-00

EE0808		
a	= 10	MAX
b	= 8,7	MAX
c	= 9	MAX
d	= 6,7	±0,2
e	= 5,0	±0,2
f	= 3	±0,5
g	= 0,5	±0,05



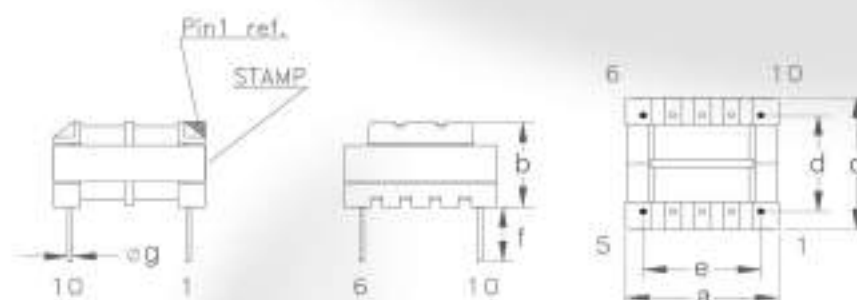
Common Mode from 0,24A to 0,54A

EE1313 CORE SHAPE

For Use With EE1616 & EE2020 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,54A	12mH	85-265VAC	EE1313	ER2756	ERCD16-00
0,28A	22mH	85-265VAC	EE1313	ER2755	ERCD16-01
0,26A	27mH	85-265VAC	EE1313	/	ERCD16-02
0,24A	33mH	85-265VAC	EE1313	ER2822	ERCD16-03

EE1313	
a	= 13,5 MAX
b	= 10,5 MAX
c	= 14,0 MAX
d	= 10,3 ±0,2
e	= 10,0 ±0,2
f	= 3,5 ±0,5
g	= 0,6 ±0,05



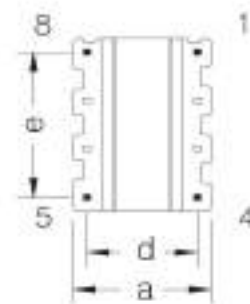
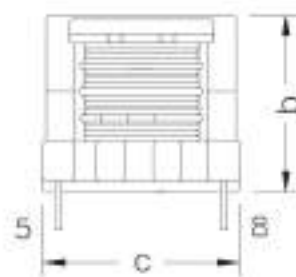
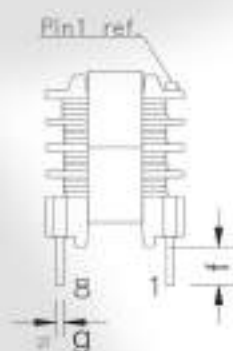
Common Mode from 0,5A to 0,6A

EE1616 CORE SHAPE

For Use With EE2020 & EEEE2525 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,6A	15mH	85-265VAC	EE1616V	/	ERCD24-00
0,5A	27mH	85-265VAC	EE1616V	ER2754	ERCD24-01

EE1616V	
a	= 13.0 MAX
b	= 18.5 MAX
c	= 18.0 MAX
d	= 10.0 ±0.3
e	= 15.0 ±0.3
f	= 3.0 min
g	= 0,6x0,8 ±0.05



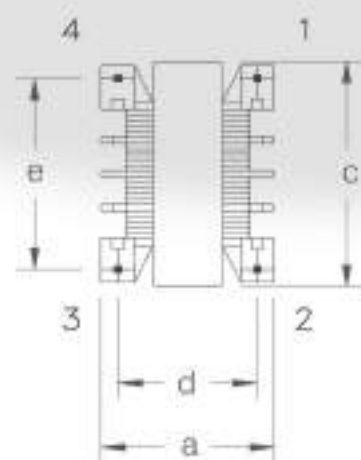
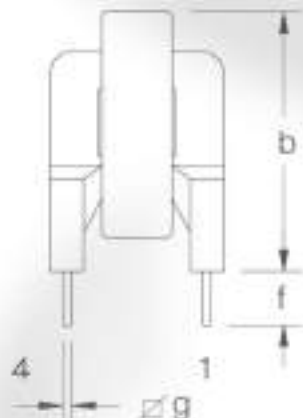
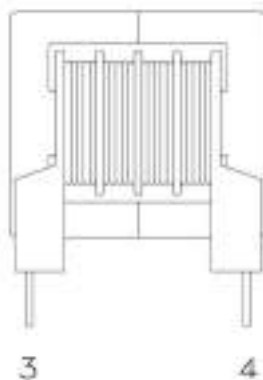
Common Mode from 0,25A to 1,5A

EE1616 CORE SHAPE

For Use With EE3030 & ETD3940 Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
1,5A	8mH	85-265VAC	EE2020	/	ERC024-00
0,8A	22mH	85-265VAC	EE2020	/	ERC024-01
0,25A	100mH	85-265VAC	EE2020	ER1875-02	ERC024-02

EE1616	
a =	14.3 MAX
b =	15.3 MAX
c =	16.3 MAX
d =	17.3 ±0.3
e =	18.3 ±0.3
f =	19.3 min
g =	20.3 ±0.09



Differential Mode from 0,66A to 1,5A

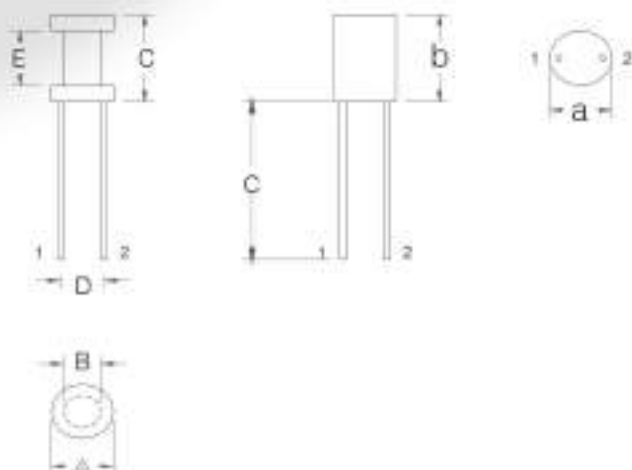
Drum8 & DRUM9 CORE SHAPE

For Use With Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
0,66A	330µH	85-265VAC	Drum08	/	DR0810-332K
0,78A	220µH	85-265VAC	Drum08	/	DR0810-222K
1,1A	100µH	85-265VAC	Drum08	/	DR0810-101K
1,5A	56µH	85-265VAC	Drum09	/	DR0810-561K

Drum 8	
a	= 9.0 MAX
b	= 11.5 MAX
c	= 15.0 min
A	= 8.0 ±0,2
B	= 4.5 ±0,5
C	= 10.0 ±0,3
D	= 5.0 ref
E	= 5.50 ±0,2

Drum 9	
a	= 11.5 MAX
b	= 14.5 MAX
c	= 5.0 +1/-0
A	= 9 +0.5/-0.3
B	= 3.9 ±0.1
C	= 12.0 ±0.4
D	= 5.0 ±0.5
E	= 7.0 ±0.15



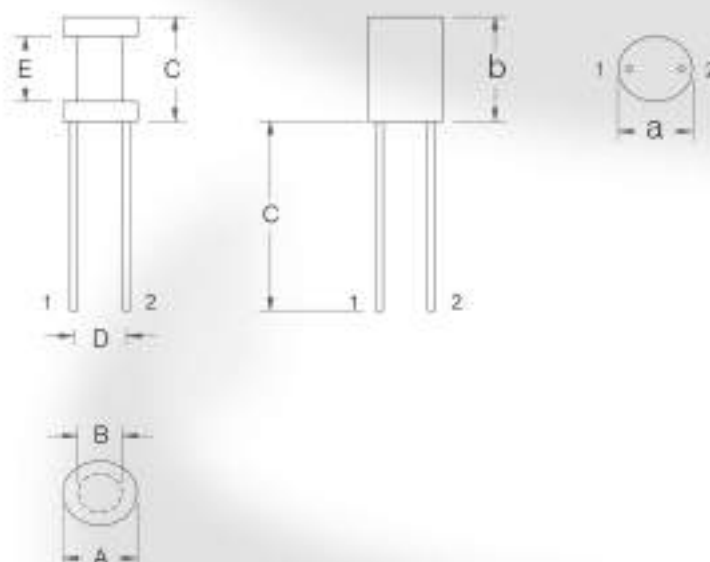
Output Inductors from Drum8 & Drum10 CORE SHAPE

For Use With Switch Power Safety Transformers Series

I	Inductance	Vin	Core Shape	STAMP CODE	PART NUMBER
3.8A	10 μ H	0-60VDC	Drum08	/	DR0810-100K
4.3A	6.8 μ H	0-60VDC	Drum08	ER2777	DR0810-6R5M
5.1	4.7 μ H	0-60VDC	Drum08	/	DR0810-4R7M
5.8	3.3 μ H	0-60VDC	Drum08	/	DR0810-3R3M
8.3A	4.7 μ H	0-60VDC	Drum10	/	DR1012-4R7M

Drum 8	
a	= 9.0 MAX
b	= 11.5 MAX
c	= 15.0 min
A	= 8.0 ± 0.2
B	= 4.5 ± 0.5
C	= 10.0 ± 0.3
D	= 5.0 ref
E	= 5.50 ± 0.2

Drum 10	
a	= 13.0 MAX
b	= 18.0 MAX
c	= 15.0 min
A	= 10.0 ± 0.3
B	= 5.5 ± 0.2
C	= 16.0 ± 0.6
D	= 4.5 ref
E	= 10.0 ± 0.4



Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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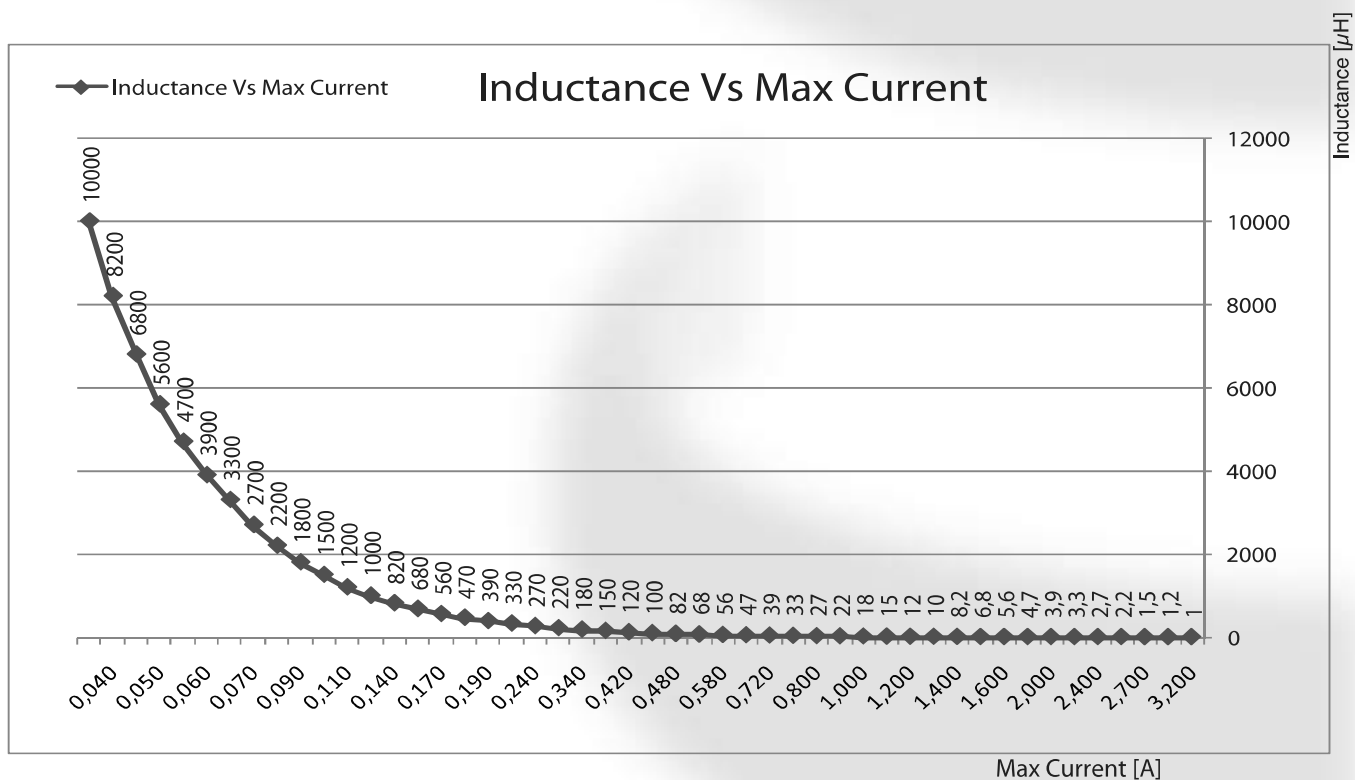
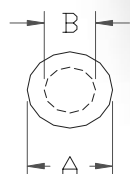
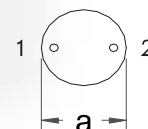
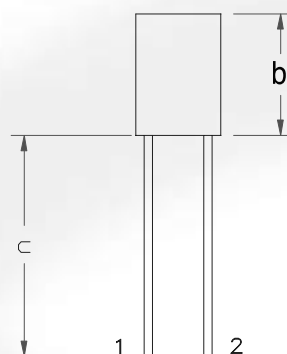
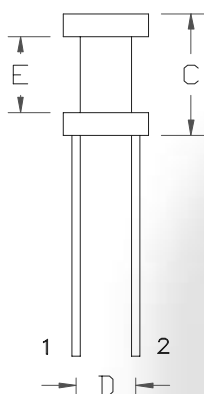
POWER INDUCTORS DR SERIE

**LIGHTING
TECHNOLOGY**



DR0405 SERIES

DR0405	
a	= 5,0 MAX
b	= 6,0 MAX
c	= 15,0 min
A	= 4,0 ±0,15
B	= 2,0 ±0,15
C	= 5,5 ±0,3
D	= 1,76 ref
E	= 2,30 ±0,15



DR0405 SERIES

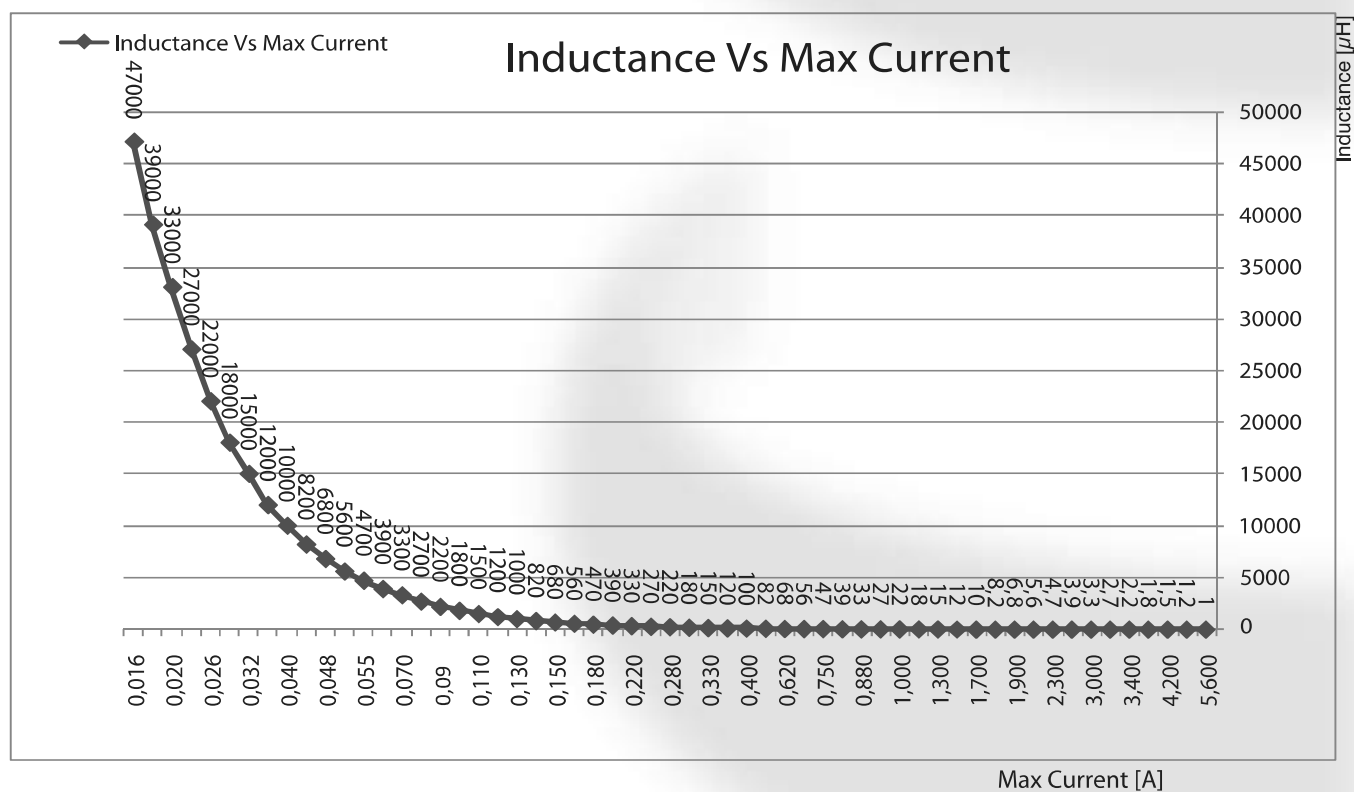
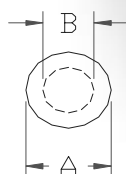
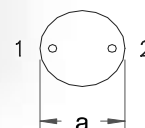
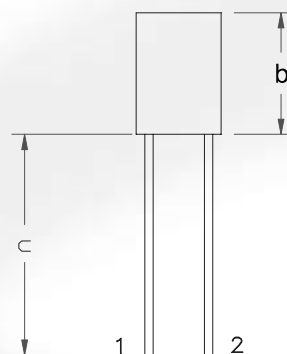
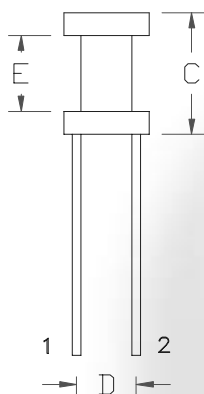
Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0405-1R0M	1	20%	20	0,0306	210	4,4	3,2
DR0405-1R2M	1,2	20%		0,0342	180	4,1	3
DR0405-1R5M	1,5	20%		0,0384	154	3,8	2,7
DR0405-2R2M	2,2	20%		0,0436	125	3,4	2,5
DR0405-2R7M	2,7	20%		0,0476	100	3	2,4
DR0405-3R3M	3,3	20%		0,0576	63	2,6	2,1
DR0405-3R9M	3,9	20%		0,0735	58	2,4	2
DR0405-4R7M	4,7	20%		0,0787	48	2,2	1,7
DR0405-5R6M	5,6	20%		0,0845	40	2,1	1,6
DR0405-6R8M	6,8	20%		0,097	35	1,9	1,5
DR0405-8R2M	8,2	10%	35	0,11	34	1,7	1,4
DR0405-100K	10	10%		0,13	31	1,6	1,3
DR0405-120K	12	10%		0,14	26	1,4	1,2
DR0405-150K	15	10%	29	0,18	25	1,3	1,1
DR0405-180K	18	10%		0,19	23	1,2	1
DR0405-220K	22	10%		0,21	21	1,1	0,92
DR0405-270K	27	10%		0,30	18	0,98	0,8
DR0405-330K	33	10%	25	0,35	16	0,88	0,76
DR0405-390K	39	10%		0,41	14	0,8	0,72
DR0405-470K	47	10%		0,46	13	0,74	0,64
DR0405-560K	56	10%		0,58	11	0,65	0,58
DR0405-680K	68	10%	23	0,64	10	0,6	0,52
DR0405-820K	82	10%		0,78	9,6	0,56	0,48
DR0405-101K	100	10%	33	0,90	8,67	0,5	0,46
DR0405-121K	120	10%		1,15	7,65	0,45	0,42
DR0405-151K	150	10%		1,22	7,1	0,42	0,38
DR0405-181K	180	10%		1,56	6,83	0,38	0,34
DR0405-221K	220	10%	50	2,04	6,07	0,34	0,28
DR0405-271K	270	10%		2,65	5,03	0,3	0,24
DR0405-331K	330	10%	65	3,48	4,58	0,27	0,22
DR0405-391K	390	10%		3,84	4,32	0,25	0,19
DR0405-471K	470	10%		5,05	3,68	0,23	0,18
DR0405-561K	560	10%		5,64	3,37	0,22	0,17
DR0405-681K	680	10%		6,24	3,13	0,19	0,15
DR0405-821K	820	10%	72	9,24	2,85	0,18	0,14
DR0405-102K	1000	10%		10,06	2,55	0,16	0,12
DR0405-122K	1200	10%		11,08	2,25	0,14	0,11
DR0405-152K	1500	10%		16,06	2,09	0,13	0,1
DR0405-182K	1800	10%		18,06	1,95	0,12	0,09
DR0405-222K	2200	10%		21,04	1,81	0,11	0,08
DR0405-272K	2700	10%		31,2	1,49	0,1	0,07
DR0405-332K	3300	10%		36,0	1,4	0,09	0,065
DR0405-392K	3900	10%	65	39,7	1,3	0,08	0,06
DR0405-472K	4700	10%		61,2	1,05	0,075	0,055
DR0405-562K	5600	10%		68,4	0,98	0,065	0,05
DR0405-682K	6800	10%		78,1	0,93	0,06	0,045
DR0405-822K	8200	10%	33	89,5	0,86	0,055	0,04
DR0405-103K	10000	10%		100	0,8	0,05	0,035

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0507 SERIES

DR0507		
a	=	6,0 MAX
b	=	8,0 MAX
c	=	15,0 min
A	=	5,0 $\pm 0,20$
B	=	2,0 $\pm 0,15$
C	=	7,0 $\pm 0,3$
D	=	2,50 ref
E	=	3,00 $\pm 0,15$



DR0507 SERIES

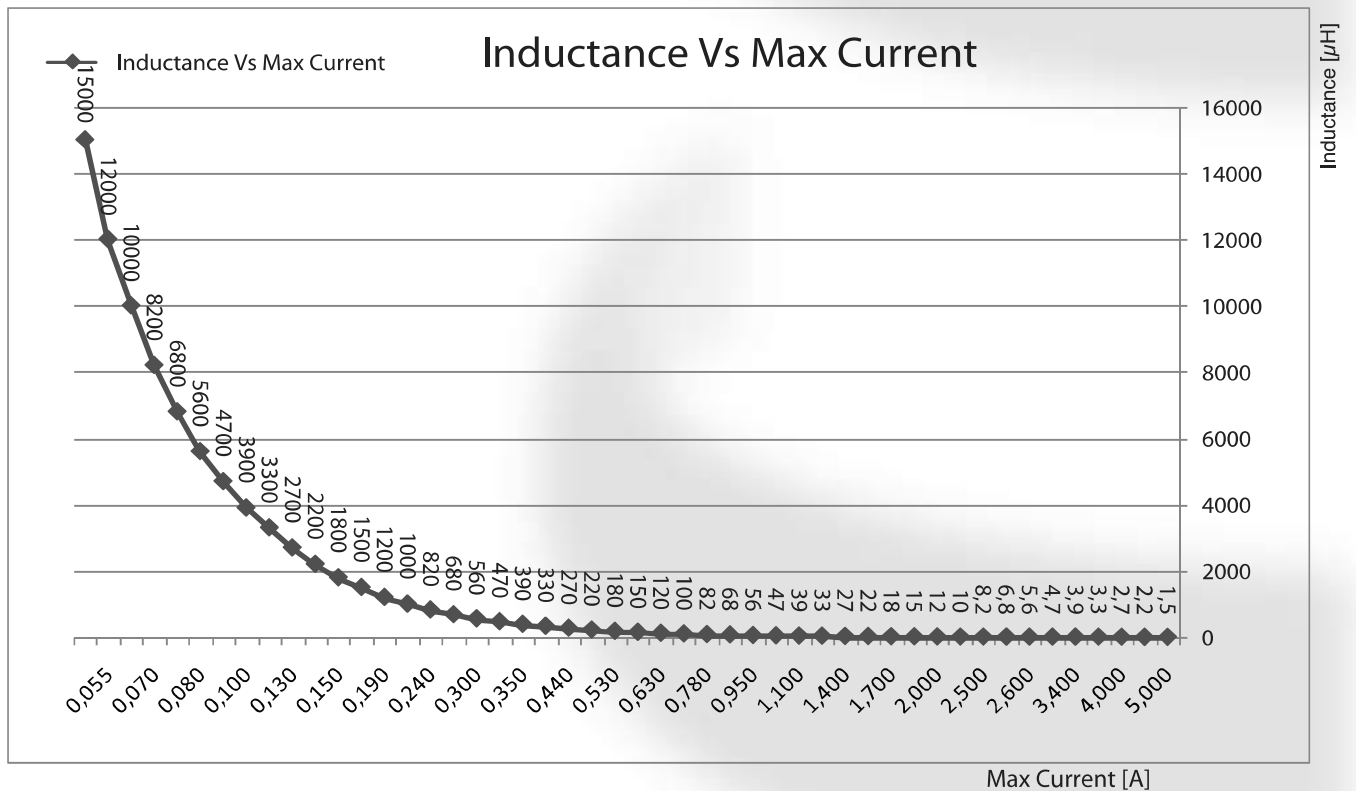
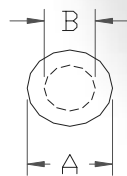
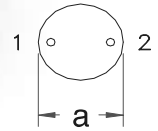
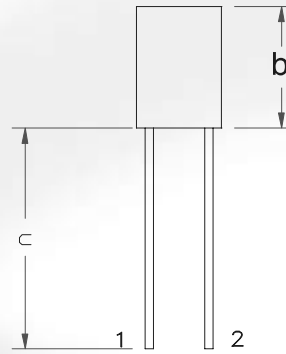
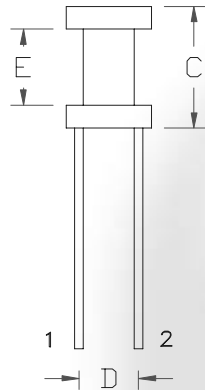
Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0507-1R0M	1	20%	85	0,013	180	5,6	6,5
DR0507-1R2M	1,2	20%	95	0,015	160	4,8	5
DR0507-1R5M	1,5	20%	110	0,0165	140	4,2	4,5
DR0507-1R8M	1,8	20%		0,0185	120	3,8	4
DR0507-2R2M	2,2	20%	100	0,0205	95	3,4	3,6
DR0507-2R7M	2,7	20%	90	0,0245	80	3,2	3,4
DR0507-3R3M	3,3	20%		0,0265	70	3	3,2
DR0507-3R9M	3,9	20%		0,0305	45	2,6	3
DR0507-4R7M	4,7	20%		0,0365	40	2,3	2,8
DR0507-5R6M	5,6	20%	85	0,0415	33	2,1	2,6
DR0507-6R8M	6,8	20%		0,0485	30	1,9	2,4
DR0507-8R2M	8,2	20%		0,06	28	1,8	2,2
DR0507-100K	10	10%	65	0,065	25	1,7	2
DR0507-120K	12	10%	60	0,0815	22	1,5	1,8
DR0507-150K	15	10%		0,0975	20	1,3	1,6
DR0507-180K	18	10%	45	0,11	17	1,2	1,5
DR0507-220K	22	10%		0,13	15	1	1,4
DR0507-270K	27	10%		0,15	14	0,95	1,2
DR0507-330K	33	10%		0,16	12	0,88	1
DR0507-390K	39	10%	40	0,21	11	0,8	0,95
DR0507-470K	47	10%		0,25	10	0,75	0,85
DR0507-560K	56	10%	30	0,33	9	0,7	0,75
DR0507-680K	68	10%	20	0,41	7,5	0,62	0,62
DR0507-820K	82	10%		0,46	6,8	0,58	0,55
DR0507-101K	100	10%		0,38	6,5	0,4	0,82
DR0507-121K	120	10%		0,43	6,2	0,38	0,8
DR0507-151K	150	10%	15	0,55	5,4	0,33	0,66
DR0507-181K	180	10%		0,63	5,2	0,31	0,6
DR0507-221K	220	10%		0,73	4,7	0,28	0,57
DR0507-271K	270	10%		0,88	4,3	0,26	0,54
DR0507-331K	330	10%	25	1,1	4	0,22	0,5
DR0507-391K	390	10%		1,4	3,5	0,2	0,4
DR0507-471K	470	10%		1,7	3,1	0,18	0,36
DR0507-561K	560	10%		2	2,6	0,17	0,34
DR0507-681K	680	10%	60	2,3	2,4	0,15	0,32
DR0507-821K	820	10%		2,6	2,2	0,14	0,3
DR0507-102K	1000	10%		3,2	2,2	0,13	0,26
DR0507-122K	1200	10%		4,2	1,9	0,12	0,23
DR0507-152K	1500	10%	70	5,2	1,7	0,11	0,2
DR0507-182K	1800	10%	90	6,8	1,6	0,1	0,17
DR0507-222K	2200	10%		7,9	1,5	0,09	0,16
DR0507-272K	2700	10%		9,8	1,3	0,08	0,14
DR0507-332K	3300	10%		12	1,2	0,07	0,13
DR0507-392K	3900	10%	70	15	1,1	0,065	0,12
DR0507-472K	4700	10%		17	1	0,055	0,11
DR0507-562K	5600	10%		22	0,82	0,052	0,1
DR0507-682K	6800	10%		25	0,76	0,048	0,09
DR0507-822K	8200	10%	65	29	0,71	0,044	0,088
DR0507-103K	10000	10%	70	33	0,65	0,04	0,083
DR0507-123K	12000	10%		44	0,55	0,036	0,07
DR0507-153K	15000	10%		52	0,51	0,032	0,066
DR0507-183K	18000	10%		69	0,44	0,028	0,055
DR0507-223K	22000	10%	65	80	0,4	0,026	0,052
DR0507-273K	27000	10%	70	94	0,37	0,022	0,048
DR0507-333K	33000	10%	60	138	0,36	0,02	0,04
DR0507-393K	39000	10%		156	0,34	0,018	0,035
DR0507-473K	47000	10%		178	0,31	0,016	0,03

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0605 SERIES

a	=	7,0	MAX
b	=	6,0	MAX
c	=	15,0	min
A	=	6,0	±0,20
B	=	2,5	±0,15
C	=	5,5	±0,3
D	=	3,0	ref
E	=	4,0	±0,15



DR0605 SERIES

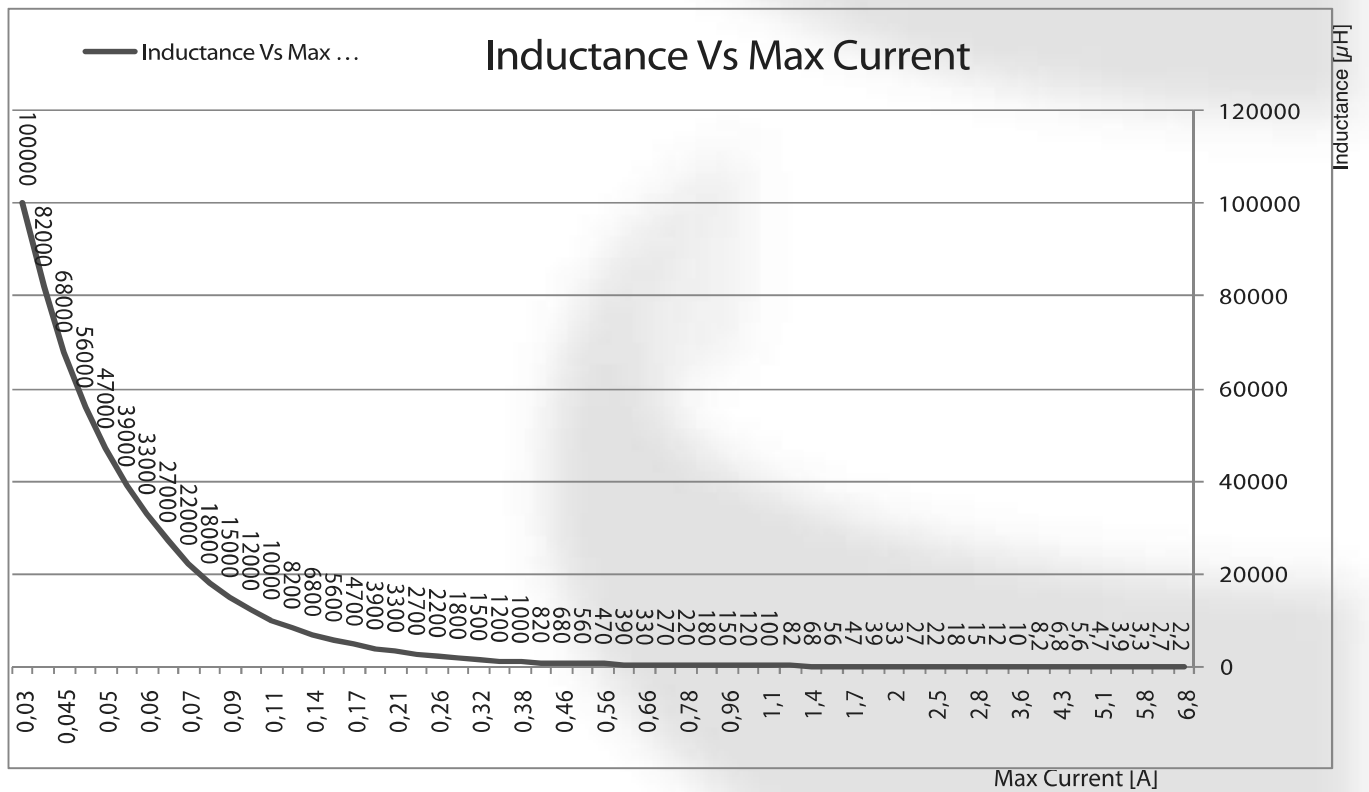
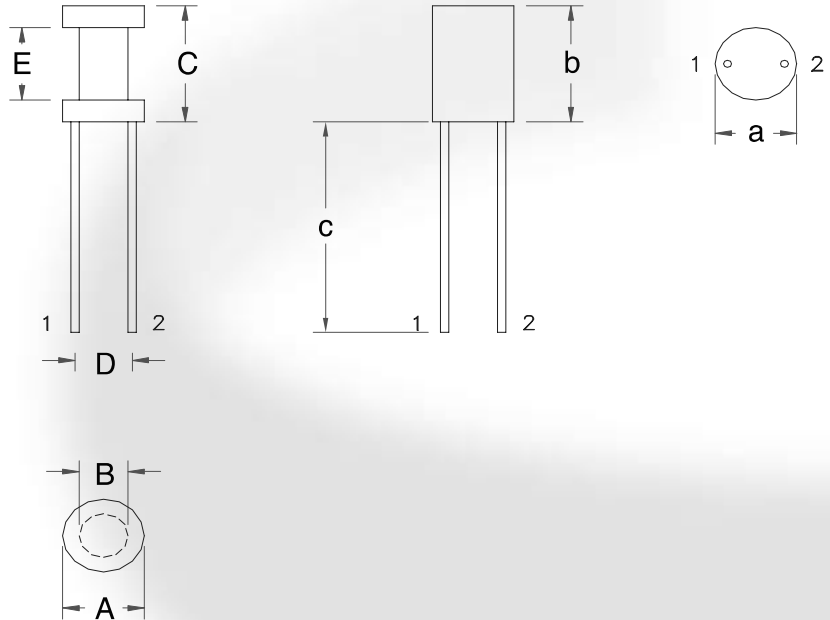
Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0605-1R2M	1,2	20%	20	0,015	125	5,3	5
DR0605-1R5M	1,5	20%		0,0178	95	4,9	4,3
DR0605-2R2M	2,2	20%		0,0208	90	4,5	4
DR0605-2R7M	2,7	20%		0,0237	75	4	3,8
DR0605-3R3M	3,3	20%		0,03	69	3,5	3,4
DR0605-3R9M	3,9	20%		0,032	61	3,3	3,1
DR0605-4R7M	4,7	20%		0,0342	53	3	2,6
DR0605-5R6M	5,6	20%		0,044	32	2,7	2,6
DR0605-6R8M	6,8	20%		0,048	44	2,5	2,5
DR0605-8R2M	8,2	20%		0,0602	39	2,2	2,3
DR0605-100K	10	10%	26	0,0735	33	2	2
DR0605-120K	12	10%		0,0832	32	1,9	1,7
DR0605-150K	15	10%		0,11	27	1,7	1,7
DR0605-180K	18	10%		0,13	24	1,5	1,5
DR0605-220K	22	10%	23	0,15	22	1,4	1,4
DR0605-270K	27	10%		0,18	20	1,2	1,3
DR0605-330K	33	10%		0,23	17	1,1	1,1
DR0605-390K	39	10%		0,26	16	1	1
DR0605-470K	47	10%	18	0,3	15	0,95	0,96
DR0605-560K	56	10%		0,35	13	0,85	0,9
DR0605-680K	68	10%		0,41	12	0,8	0,78
DR0605-820K	82	10%		0,55	11	0,72	0,68
DR0605-101K	100	10%		0,63	10	0,65	0,63
DR0605-121K	120	10%		0,75	9,1	0,6	0,58
DR0605-151K	150	10%	20	0,9	8,2	0,54	0,53
DR0605-181K	180	10%		1,1	6,7	0,48	0,48
DR0605-221K	220	10%		1,2	6,2	0,44	0,44
DR0605-271K	270	10%		1,6	6	0,4	0,39
DR0605-331K	330	10%	23	2	5,2	0,36	0,35
DR0605-391K	390	10%		2,2	4,8	0,34	0,34
DR0605-471K	470	10%		2,8	4,9	0,3	0,3
DR0605-561K	560	10%		3,6	4,2	0,28	0,26
DR0605-681K	680	10%	36	4,3	3,7	0,26	0,24
DR0605-821K	820	10%		4,9	3,4	0,23	0,22
DR0605-102K	1000	10%	78	6,5	3	0,21	0,19
DR0605-122K	1200	10%		7,3	2,8	0,19	0,18
DR0605-152K	1500	10%		9,8	2,4	0,18	0,15
DR0605-182K	1800	10%		11	2,2	0,15	0,14
DR0605-222K	2200	10%		13	2	0,14	0,13
DR0605272K	2700	10%		18	1,8	0,12	0,11
DR0605-332K	3300	10%		20	1,6	0,11	0,1
DR0605-392K	3900	10%		27	1,4	0,1	0,09
DR0605-472K	4700	10%		30	1,3	0,09	0,08
DR0605-562K	5600	10%		35	1,2	0,085	0,075
DR0605-682K	6800	10%		40	1,1	0,08	0,07
DR0605-822K	8200	10%		61	0,99	0,07	0,06
DR0605-103K	10000	10%	46	69	0,92	0,065	0,055
DR0605-123K	12000	10%		80	0,85	0,055	0,05
DR0605-153K	15000	10%		92	0,78	0,05	0,045

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0810 SERIES

DR0810		
a	= 9,0	MAX
b	= 11,5	MAX
c	= 15,0	min
A	= 8,0	±0,2
B	= 4,5	±0,5
C	= 10,0	±0,3
D	= 5,0	ref
E	= 5,50	±0,2



DR0810 SERIES

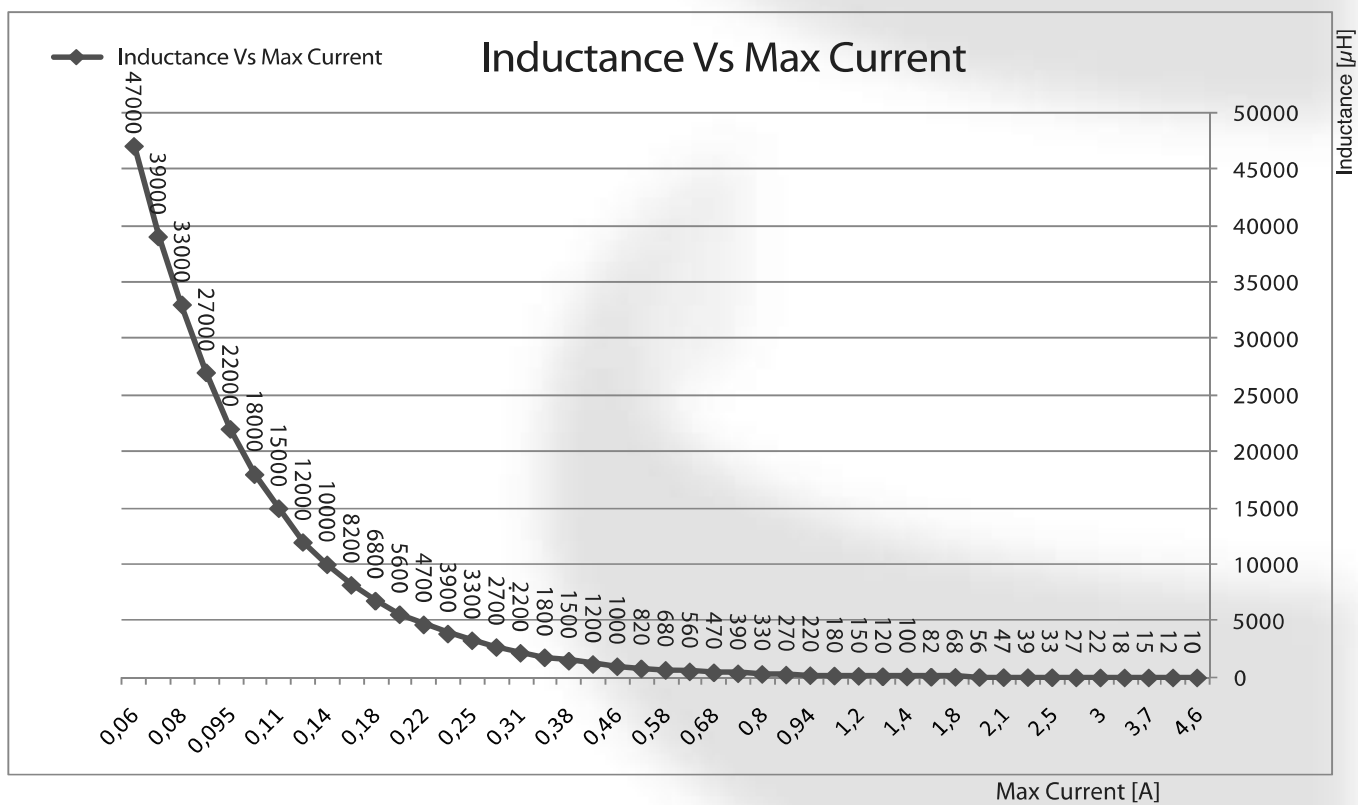
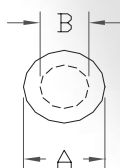
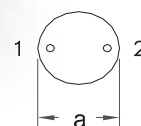
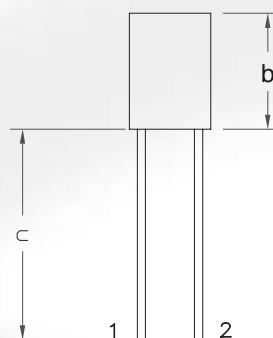
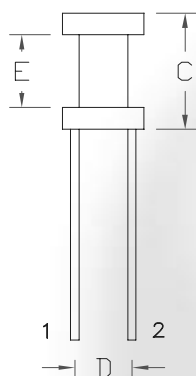
Part number	Inductance (μH)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0810-2R2M	2,2	20%	15	95	120	7	6,8
DR0810-2R7M	2,7	20%		0,0107	100	6,7	6,7
DR0810-3R3M	3,3	20%		0,0112	83	5,8	6
DR0810-3R9M	3,9	20%		0,014	65	5,4	5,7
DR0810-4R7M	4,7	20%		0,0155	50	5,1	5,4
DR0810-5R6M	5,6	20%		0,0172	40	4,7	5
DR0810-6R8M	6,8	20%		0,0185	30	4,3	4,6
DR0810-8R2M	8,2	20%		0,0235	28	4	4
DR0810-100K	10	10%	65	0,027	20	3,6	3,8
DR0810-120K	12	10%	60	0,0315	18	3,1	3,7
DR0810-150K	15	10%		0,036	16	2,8	3,6
DR0810-180K	18	10%		0,0405	15	2,6	3,2
DR0810-220K	22	10%	50	0,045	14	2,5	3,1
DR0810-270K	27	10%		0,061	12	2,2	2,6
DR0810-330K	33	10%	45	0,07	11	2	2,4
DR0810-390K	39	10%		0,0775	10	1,8	2,2
DR0810-470K	47	10%	40	0,0865	8,5	1,7	2,1
DR0810-560K	56	10%		0,12	8	1,5	1,9
DR0810-680K	68	10%	35	0,13	7,1	1,4	1,8
DR0810-820K	82	10%		0,15	6,2	1,2	1,6
DR0810-101K	100	10%		0,18	5,8	1,1	1,5
DR0810-121K	120	10%	25	0,2	5,2	1	1,4
DR0810-151K	150	10%		0,26	4,8	0,96	1,2
DR0810-181K	180	10%	23	0,3	4,5	0,88	1,1
DR0810-221K	220	10%		0,41	3,8	0,78	1
DR0810-271K	270	10%		0,46	3,5	0,72	0,87
DR0810-331K	330	10%	15	0,53	3,3	0,66	0,7
DR0810-391K	390	10%		0,63	3,2	0,62	0,75
DR0810-471K	470	10%		0,71	2,8	0,56	0,7
DR0810-561K	560	10%		0,88	2,6	0,5	0,63
DR0810-681K	680	10%		1,1	2,2	0,46	0,58
DR0810-821K	820	10%		1,2	2	0,42	0,5
DR0810-102K	1000	10%	25	1,5	1,8	0,38	0,47
DR0810-122K	1200	10%	33	1,9	1,7	0,34	0,41
DR0810-152K	1500	10%		2,2	1,5	0,32	0,4
DR0810-182K	1800	10%		2,7	1,4	0,28	0,35
DR0810-222K	2200	10%		3,4	1,2	0,26	0,32
DR0810-272K	2700	10%	45	4,3	1,1	0,22	0,28
DR0810-332K	3300	10%		5	1	0,21	0,26
DR0810-392K	3900	10%		6	0,96	0,19	0,23
DR0810-472K	4700	10%		7,2	0,75	0,17	0,21
DR0810-562K	5600	10%		8,2	0,7	0,15	0,2
DR0810-682K	6800	10%		10	0,64	0,14	0,18
DR0810-822K	8200	10%		13	0,6	0,13	0,15
DR0810-103K	10000	10%	90	15	0,55	0,11	0,14
DR0810-123K	12000	10%		18	0,5	0,1	0,13
DR0810-153K	15000	10%		25	0,45	0,09	0,11
DR0810-183K	18000	10%		30	0,38	0,08	0,1
DR0810-223K	22000	10%		35	0,35	0,07	0,09
DR0810-273K	27000	10%		47	0,33	0,065	0,08
DR0810-333K	33000	10%		54	0,31	0,06	0,075
DR0810-393K	39000	10%	65	71	0,26	0,055	0,065
DR0810-473K	47000	10%		81	0,24	0,05	0,06
DR0810-563K	56000	10%		92	0,22	0,045	0,055
DR0810-683K	68000	10%	52	125	0,19	0,045	0,05
DR0810-823K	82000	10%		142	0,18	0,035	0,045
DR0810-104K	100000	10%		192	0,16	0,03	0,035

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR0912 SERIES

DR0912	
a	= 11,5 MAX
b	= 14,5 MAX
c	= 5,0 +1/-0
A	= 9,0 +0,1/-0,3
B	= 3,9 ±0,1
C	= 12,0 ±0,4
D	= 5,0 ±0,5
E	= 7,0 ±0,15



DR0912 SERIES

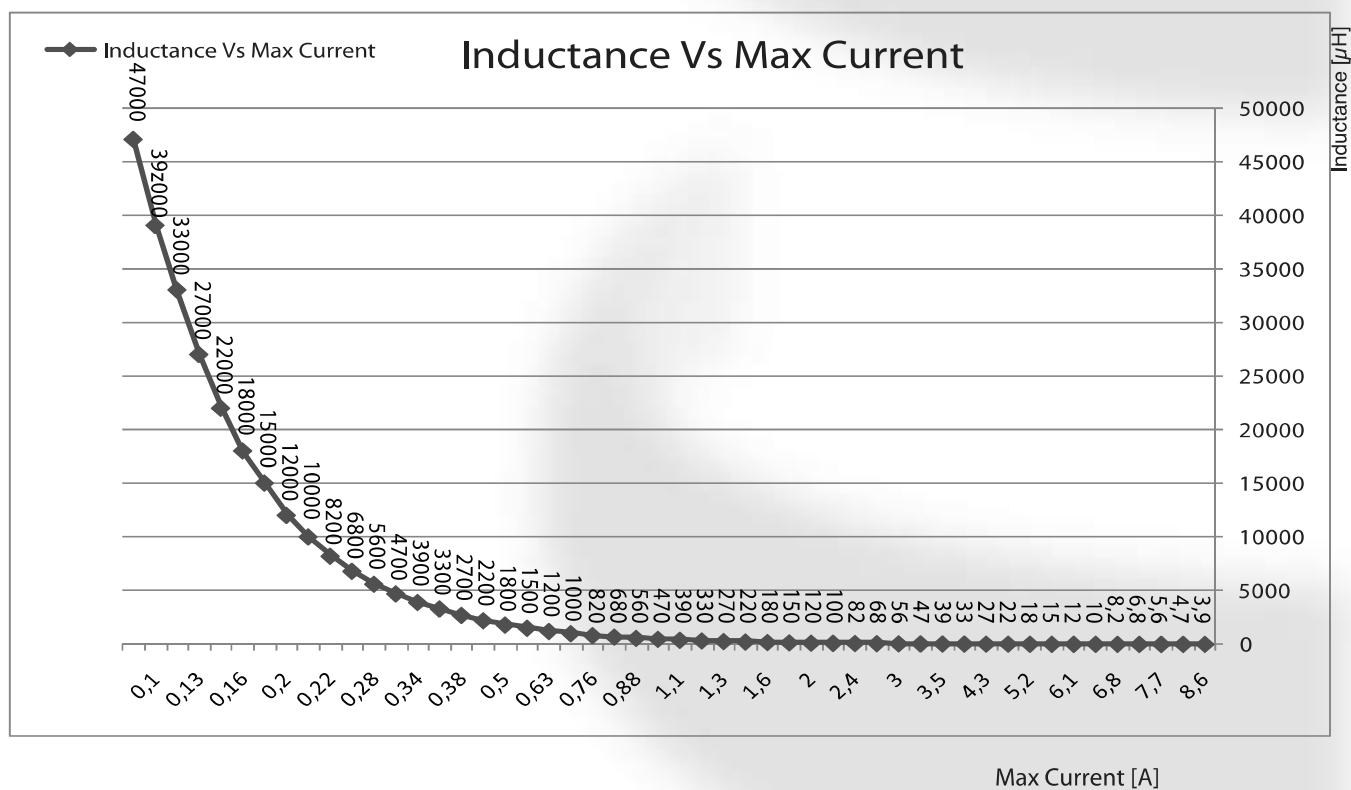
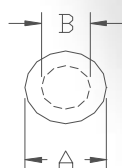
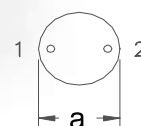
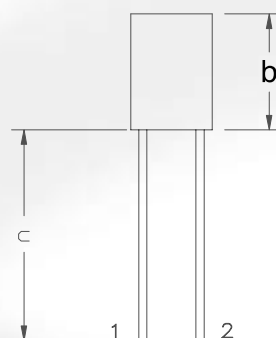
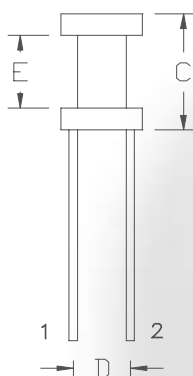
Part number	Inductance (μ H)	Tolerance	Unloaded Q Min	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
						Idc 1	Idc2
DR0912-100K	10	10%	70	0,0185	25	4,6	5
DR0912-120K	12	10%		0,0205	17	4,2	4,8
DR0912-150K	15	10%		0,027	15	3,7	4,2
DR0912-180K	18	10%	65	0,03	14	3,4	4
DR0912-220K	22	10%		0,034	13,3	3	3,8
DR0912-270K	27	10%	60	0,04	11,5	2,7	3,5
DR0912-330K	33	10%	50	0,045	9,5	2,5	3,4
DR0912-390K	39	10%	45	0,052	9	2,2	3,2
DR0912-470K	47	10%		0,0565	8,2	2,1	3
DR0912-560K	56	10%	40	0,0715	7,4	1,9	2,5
DR0912-680K	68	10%		0,091	6,4	1,8	2,3
DR0912-820K	82	10%	30	0,1	5,6	1,6	2,2
DR0912-101K	100	10%	45	0,13	4,9	1,4	2
DR0912-121K	120	10%	45	0,15	4,8	1,3	1,7
DR0912-151K	150	10%	30	0,18	4,2	1,2	1,6
DR0912-181K	180	10%	35	0,23	3,8	1	1,4
DR0912-221K	220	10%	30	0,26	3,5	0,94	1,3
DR0912-271K	270	10%	25	0,3	3,2	0,88	1,2
DR0912-331K	330	10%		0,38	2,7	0,8	1,1
DR0912-391K	390	10%		0,45	2,50	0,75	0,92
DR0912-471K	470	10%		0,58	2,4	0,68	0,8
DR0912-561K	560	10%		0,64	2,3	0,64	0,75
DR0912-681K	680	10%	20	0,78	2,1	0,58	0,7
DR0912-821K	820	10%	15	0,9	1,8	0,5	0,62
DR0912-102K	1000	10%	20	1,1	1,7	0,46	0,6
DR0912-122K	1200	10%		1,3	1,5	0,43	0,54
DR0912-152K	1500	10%		1,6	1,4	0,38	0,5
DR0912-182K	1800	10%		2	1,2	0,34	0,44
DR0912-222K	2200	10%	30	2,4	1	0,31	0,4
DR0912-272K	2700	10%	40	3	0,9	0,28	0,34
DR0912-332K	3300	10%	30	3,6	0,82	0,25	0,32
DR0912-392K	3900	10%	35	4,2	0,78	0,24	0,28
DR0912-472K	4700	10%		5	0,72	0,22	0,26
DR0912-562K	5600	10%	45	6,7	0,66	0,19	0,24
DR0912-682K	6800	10%	40	7,7	0,6	0,18	0,22
DR0912-822K	8200	10%	30	8,6	0,56	0,16	0,21
DR0912-103K	10000	10%	85	11	0,5	0,14	0,19
DR0912-123K	12000	10%		13	0,47	0,13	0,18
DR0912-153K	15000	10%		15	0,37	0,11	0,15
DR0912-183K	18000	10%	90	19	0,35	0,1	0,14
DR0912-223K	22000	10%		24	0,31	0,095	0,12
DR0912-273K	27000	10%		30	0,27	0,085	0,1
DR0912-333K	33000	10%		41	0,25	0,08	0,095
DR0912-393K	39000	10%	75	50	0,22	0,07	0,08
DR0912-473K	47000	10%		56	0,21	0,06	0,07

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR1012 SERIES

DR1012	
a	= 13,0 MAX
b	= 14,0 MAX
c	= 15,0 min
A	= 10,0 ±0,3
B	= 5,5 ±0,2
C	= 12,0 ±0,6
D	= 5,0 ±0,5
E	= 10,0 ±0,4



DR1012 SERIES

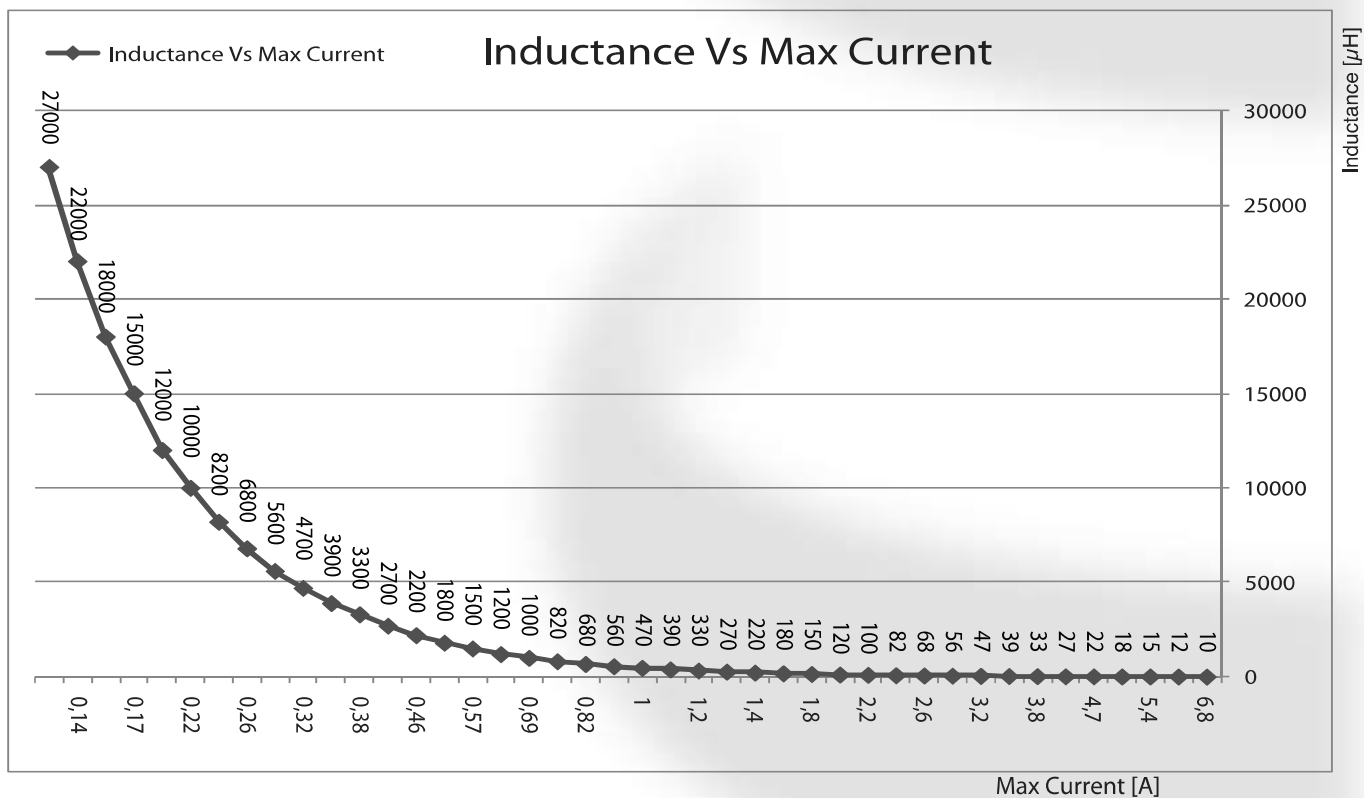
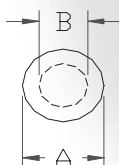
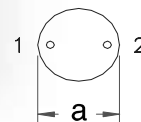
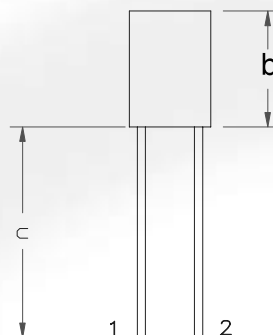
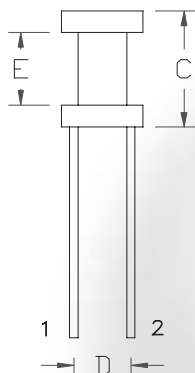
Part number	Inductance (μH)within	Tolerance	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
					Idc 1	Idc2
DR1012-3R9M	3,9	20%	0,011	62	10,8	8,6
DR1012-4R7M	4,7	20%	0,012	52	9,7	8,3
DR1012-5R6M	5,6	20%	0,013	40	9,2	7,7
DR1012-6R8M	6,8	20%	0,015	33	8,4	7,3
DR1012-8R2M	8,2	20%	0,016	27	7,5	6,8
DR1012-100K	10	20%	0,018	19,5	6,8	6,4
DR1012-120K	12	10%	0,019	16,9	6,2	6,1
DR1012-150K	15	10%	0,025	13,5	5,6	5,4
DR1012-180K	18	10%	0,028	13	5,2	5,3
DR1012-220K	22	10%	0,03	12,5	4,8	5
DR1012-270K	27	10%	0,036	9,8	4,3	4,5
DR1012-330K	33	10%	0,045	9,1	3,9	4
DR1012-390K	39	10%	0,051	8,3	3,5	3,7
DR1012-470K	47	10%	0,056	7,8	3,2	3,5
DR1012-560K	56	10%	0,071	7	3	3,1
DR1012-680K	68	10%	0,081	6	2,7	2,9
DR1012-820K	82	10%	0,0103	5,2	2,4	2,4
DR1012-101K	100	10%	0,13	4,7	2,2	2,1
DR1012-121K	120	10%	0,14	4,3	2	2
DR1012-151K	150	10%	0,17	4,1	1,8	1,9
DR1012-181K	180	10%	0,22	3,5	1,6	1,6
DR1012-221K	220	10%	0,24	3,2	1,5	1,5
DR1012-271K	270	10%	0,32	2,8	1,3	1,3
DR1012-331K	330	10%	0,37	2,5	1,2	1,2
DR1012-391K	390	10%	0,44	2,4	1,1	1,1
DR1012-471K	470	10%	0,56	2	1	0,96
DR1012-561K	560	10%	0,63	1,9	0,88	0,91
DR1012-681K	680	10%	0,76	1,8	0,8	0,82
DR1012-821K	820	10%	0,9	1,6	0,78	0,76
DR1012-102K	1000	10%	1,1	1,5	0,70	0,7
DR1012-122K	1200	10%	1,3	1,3	0,65	0,63
DR1012-152K	1500	10%	1,6	1,1	0,57	0,56
DR1012-182K	1800	10%	1,9	1	0,52	0,5
DR1012-222K	2200	10%	2,4	0,97	0,48	0,45
DR1012-272K	2700	10%	3	0,84	0,42	0,38
DR1012-332K	3300	10%	3,7	0,76	0,37	0,37
DR1012-392K	3900	10%	4,6	0,73	0,35	0,34
DR1012-472K	4700	10%	5,5	0,66	0,32	0,3
DR1012-562K	5600	10%	6,2	0,63	0,29	0,28
DR1012-682K	6800	10%	7,3	0,49	0,26	0,26
DR1012-822K	8200	10%	9,2	0,47	0,24	0,22
DR1012-103K	10000	10%	11,5	0,4	0,22	0,21
DR1012-123K	12000	10%	13	0,38	0,2	0,2
DR1012-153K	15000	10%	16	0,35	0,18	0,17
DR1012-183K	18000	10%	18,6	0,32	0,16	0,16
DR1012-223K	22000	10%	24,4	0,3	0,14	0,14
DR1012-273K	27000	10%	28,8	0,27	0,13	0,13
DR1012-333K	33000	10%	41	0,26	0,12	0,11
DR1012-393K	39000	14%	46,5	0,25	0,1	0,1
DR1012-473K	47000	10%	57	0,21	0,09	0,09

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

DR1016 SERIES

DR1016	
a	= 13,0 MAX
b	= 18,0 MAX
c	= 15,0 min
A	= 10,0 ±0,3
B	= 5,5 ±0,2
C	= 16,0 ±0,6
D	= 5,0 ±0,5
E	= 10,0 ±0,4



DR1016 SERIES

Part number	Inductance (μH)within	Tolerance	D.C.R Max (Ω)	S.R.F Ref. (MHz)	Rated current (A) Max	
					Idc 1	Idc2
DR1016-100K	10	10%	0,018	30	6,8	6,9
DR1016-120K	12	10%	0,019	26	6,2	6,3
DR1016-150K	15	10%	0,022	22	5,4	5,8
DR1016-180K	18	10%	0,024	15	5	5,5
DR1016-220K	22	10%	0,026	11	4,7	4,8
DR1016-270K	27	10%	0,03	8,2	4,2	4,6
DR1016-330K	33	10%	0,037	7,7	3,8	4,3
DR1016-390K	39	10%	0,042	7,3	3,5	4,1
DR1016-470K	47	10%	0,046	6,7	3,2	4
DR1016-560K	56	10%	0,051	6,2	3	3,8
DR1016-680K	68	10%	0,065	5,4	2,6	3,4
DR1016-820K	82	10%	0,074	4,7	2,4	3,3
DR1016-101K	100	10%	0,084	4,3	2,2	3,1
DR1016-121K	120	10%	0,11	3,7	2	2,7
DR1016-151K	150	10%	0,12	3,2	1,8	2,4
DR1016-181K	180	10%	0,13	2,9	1,6	2,3
DR1016-221K	220	10%	0,17	2,7	1,4	2
DR1016-271K	270	10%	0,23	2,3	1,3	1,7
DR1016-331K	330	10%	0,31	1,9	1,2	1,4
DR1016-391K	390	10%	0,34	1,8	1,1	1,3
DR1016-471K	470	10%	0,39	1,7	1	1,2
DR1016-561K	560	10%	0,43	1,6	0,9	1,1
DR1016-681K	680	10%	0,59	1,4	0,82	1
DR1016-821K	820	10%	0,65	1,3	0,77	0,9
DR1016-102K	1000	10%	0,85	1,1	0,69	0,84
DR1016-122K	1200	10%	0,96	1	0,64	0,77
DR1016-152K	1500	10%	1,1	0,94	0,57	0,73
DR1016-182K	1800	10%	1,4	0,88	0,52	0,64
DR1016-222K	2200	10%	1,7	0,73	0,46	0,57
DR1016-272K	2700	10%	2	0,69	0,42	0,52
DR1016-332K	3300	10%	2,5	0,62	0,38	0,46
DR1016-392K	3900	10%	2,8	0,59	0,34	0,45
DR1016-472K	4700	10%	3,6	0,52	0,32	0,38
DR1016-562K	5600	10%	4,5	0,45	0,29	0,33
DR1016-682K	6800	10%	5,1	0,43	0,26	0,32
DR1016-822K	8200	10%	6,7	0,4	0,24	0,3
DR1016-103K	10000	10%	7,7	0,37	0,22	0,28
DR1016-123K	12000	10%	9,2	0,34	0,2	0,26
DR1016-153K	15000	10%	11,3	0,27	0,17	0,23
DR1016-183K	18000	10%	14,2	0,25	0,16	0,22
DR1016-223K	22000	10%	18	0,22	0,14	0,18
DR1016-273K	27000	10%	20,5	0,21	0,13	0,17

Idc1 = Max Wire Current

Idc2 = Core Saturation Current

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

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POWER INDUCTORS SMD SERIE

LIGHTING
TECHNOLOGY





Elettronica Rossoni

Company Background

Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

POWER INDUCTORS SMD SERIES

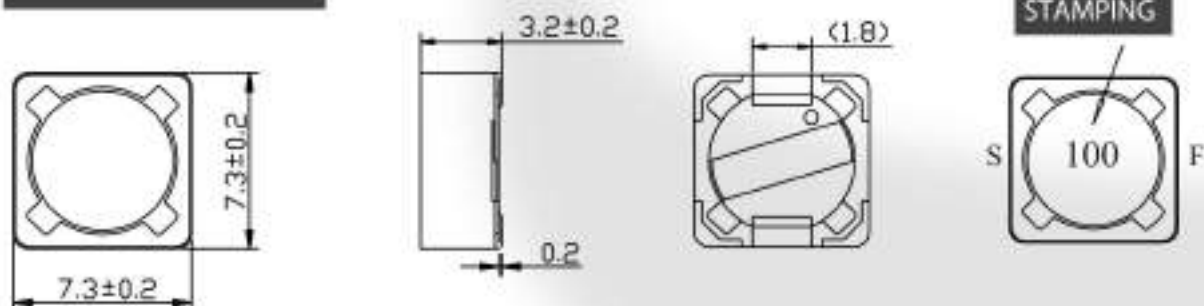
DRH73 Series

TYPE DRH73

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH73-100M	100	10 $\pm$ 20%	72m	1.84	2.11
DRH73-120M	120	12 $\pm$ 20%	98m	1.60	1.70
DRH73-150M	150	15 $\pm$ 20%	120m	1.52	1.50
DRH73-180M	180	18 $\pm$ 20%	130m	1.40	1.46
DRH73-220M	220	22 $\pm$ 20%	170m	1.28	1.23
DRH73-270M	270	27 $\pm$ 20%	190m	1.16	1.22
DRH73-330M	330	33 $\pm$ 20%	220m	1.04	1.20
DRH73-390M	390	39 $\pm$ 20%	280m	0.96	0.98
DRH73-470M	470	47 $\pm$ 20%	320m	0.88	0.92
DRH73-560M	560	56 $\pm$ 20%	360m	0.80	0.88
DRH73-680M	680	68 $\pm$ 20%	470m	0.74	0.81
DRH73-820M	820	82 $\pm$ 20%	650m	0.65	0.61
DRH73-101M	101	100 $\pm$ 20%	720m	0.60	0.60
DRH73-121M	121	120 $\pm$ 20%	820m	0.55	0.55
DRH73-151M	151	150 $\pm$ 20%	1.16	0.48	0.46
DRH73-181M	181	180 $\pm$ 20%	1.20	0.45	0.43
DRH73-221M	221	220 $\pm$ 20%	1.37	0.41	0.41
DRH73-271M	271	270 $\pm$ 20%	2.00	0.37	0.40
DRH73-331M	331	330 $\pm$ 20%	2.27	0.33	0.34
DRH73-391M	391	390 $\pm$ 20%	2.59	0.31	0.31
DRH73-471M	471	470 $\pm$ 20%	3.39	0.27	0.28
DRH73-561M	561	560 $\pm$ 20%	3.78	0.25	0.25
DRH73-681M	681	680 $\pm$ 20%	5.12	0.22	0.22
DRH73-821M	821	820 $\pm$ 20%	5.76	0.21	0.20
DRH73-102M	102	1000 $\pm$ 20%	8.20	0.18	0.18

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

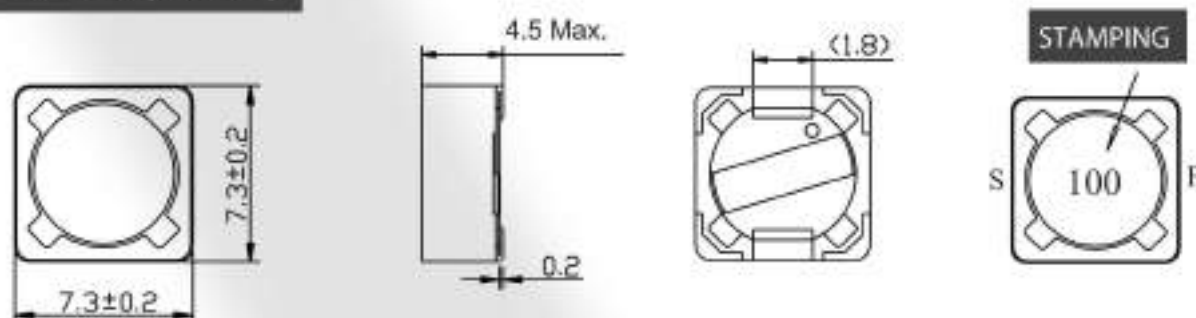
DRH74 Series

TYPE DRH74

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH74-100M	100	10 $\pm$ 20%	70.0m	2.10	1.90
DRH74-120M	120	12 $\pm$ 20%	75.0m	1.82	1.80
DRH74-150M	150	15 $\pm$ 20%	85.0m	1.75	1.72
DRH74-180M	180	18 $\pm$ 20%	0.10	1.61	1.67
DRH74-220M	220	22 $\pm$ 20%	0.12	1.40	1.50
DRH74-270M	270	27 $\pm$ 20%	0.14	1.26	1.32
DRH74-330M	330	33 $\pm$ 20%	0.17	1.05	1.21
DRH74-390M	390	39 $\pm$ 20%	0.20	0.98	1.06
DRH74-470M	470	47 $\pm$ 20%	0.24	0.84	1.00
DRH74-560M	560	56 $\pm$ 20%	0.27	0.78	0.98
DRH74-680M	680	68 $\pm$ 20%	0.35	0.75	0.84
DRH74-820M	820	82 $\pm$ 20%	0.42	0.66	0.78
DRH74-101M	101	100 $\pm$ 20%	0.47	0.63	0.70
DRH74-121M	121	120 $\pm$ 20%	0.64	0.56	0.64
DRH74-151M	151	150 $\pm$ 20%	0.73	0.50	0.55
DRH74-181M	181	180 $\pm$ 20%	0.98	0.45	0.50
DRH74-221M	221	220 $\pm$ 20%	1.13	0.41	0.48
DRH74-271M	271	270 $\pm$ 20%	1.38	0.37	0.44
DRH74-331M	331	330 $\pm$ 20%	1.65	0.34	0.39
DRH74-391M	391	390 $\pm$ 20%	1.83	0.31	0.37
DRH74-471M	471	470 $\pm$ 20%	2.05	0.29	0.33
DRH74-561M	561	560 $\pm$ 20%	2.57	0.25	0.29
DRH74-681M	681	680 $\pm$ 20%	3.00	0.23	0.27
DRH74-821M	821	820 $\pm$ 20%	3.75	0.21	0.26
DRH74-102M	102	1000 $\pm$ 20%	4.25	0.20	0.23

DIMENSION (UNIT:mm)



- * Idc1: CORE SATURATION CURRENT
- * Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

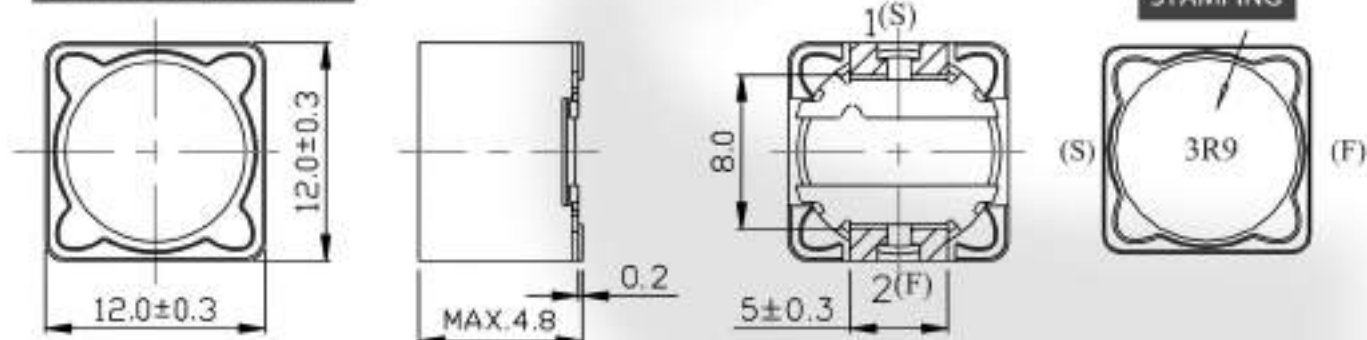
DRH124 Series

TYPE DRH124

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH124-3R9M	3R9	3.9 $\pm$ 20%	13.7	8.26	6.68
DRH124-5R2M	5R2	5.2 $\pm$ 20%	15.5	7.19	6.03
DRH124-6R8M	6R8	6.8 $\pm$ 20%	19.9	6.37	5.53
DRH124-8R2M	8R2	8.2 $\pm$ 20%	24.4	5.72	5.00
DRH124-100M	100	10 $\pm$ 20%	32.4	5.19	4.50
DRH124-120M	120	12 $\pm$ 20%	35.6	4.75	4.00
DRH124-150M	150	15 $\pm$ 20%	43.9	4.38	3.50
DRH124-180M	180	18 $\pm$ 20%	52.1	3.79	3.18
DRH124-220M	220	22 $\pm$ 20%	65.7	3.34	3.11
DRH124-270M	270	27 $\pm$ 20%	70.3	3.16	2.75
DRH124-330M	330	33 $\pm$ 20%	90.5	2.84	2.60
DRH124-390M	390	39 $\pm$ 20%	123.9	2.59	1.96
DRH124-470M	470	47 $\pm$ 20%	132.3	2.37	1.91
DRH124-560M	560	56 $\pm$ 20%	168.9	2.19	1.73
DRH124-680M	680	68 $\pm$ 20%	181.9	2.04	1.58
DRH124-820M	820	82 $\pm$ 20%	214.8	1.79	1.52
DRH124-101M	101	100 $\pm$ 20%	266.3	1.63	1.36
DRH124-121M	121	120 $\pm$ 20%	330.6	1.51	1.19
DRH124-151M	151	150 $\pm$ 20%	468.9	1.33	1.01
DRH124-181M	181	180 $\pm$ 20%	524.9	1.22	0.95
DRH124-221M	221	220 $\pm$ 20%	602.6	1.13	0.85
DRH124-271M	271	270 $\pm$ 20%	823.9	1.05	0.74
DRH124-331M	331	330 $\pm$ 20%	932.1	0.95	0.69

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

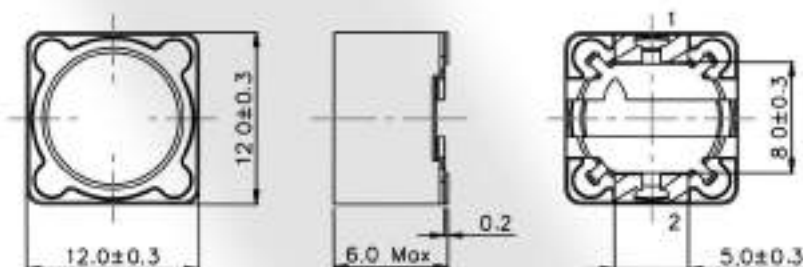
DRH125 Series

TYPE DRH125

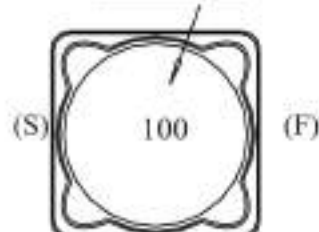
ELECTRICAL CHARACTERISTICS

No.	PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω)	RATED CURRENT Max. (A)	
					Idc1 Max.	Idc2 Max.
01	DRH125-100M	100	10 $\pm$ 20%	27.0m	4.50	4.20
02	DRH125-120M	120	12 $\pm$ 20%	28.0m	4.30	3.60
03	DRH125-150M	150	15 $\pm$ 20%	32.0m	3.90	3.50
04	DRH125-180M	180	18 $\pm$ 20%	35.0m	3.60	3.20
05	DRH125-220M	220	22 $\pm$ 20%	44.0m	3.20	2.90
06	DRH125-270M	270	27 $\pm$ 20%	51.0m	2.90	2.70
07	DRH125-330M	330	33 $\pm$ 20%	57.0m	2.50	2.50
08	DRH125-390M	390	39 $\pm$ 20%	68.0m	2.20	2.20
09	DRH125-470M	470	47 $\pm$ 20%	75.0m	2.20	2.00
10	DRH125-560M	560	56 $\pm$ 20%	91.0m	2.10	1.90
11	DRH125-680M	680	68 $\pm$ 20%	0.14	1.80	1.60
12	DRH125-820M	820	82 $\pm$ 20%	0.15	1.70	1.50
13	DRH125-101M	101	100 $\pm$ 20%	0.16	1.40	1.45
14	DRH125-121M	121	120 $\pm$ 20%	0.18	1.40	1.30
15	DRH125-151M	151	150 $\pm$ 20%	0.24	1.20	1.05
16	DRH125-181M	181	180 $\pm$ 20%	0.29	1.10	1.00
17	DRH125-221M	221	220 $\pm$ 20%	0.35	1.00	0.95
18	DRH125-271M	271	270 $\pm$ 20%	0.43	0.90	0.90
19	DRH125-331M	331	330 $\pm$ 20%	0.51	0.85	0.80
20	DRH125-391M	391	390 $\pm$ 20%	0.62	0.80	0.70
21	DRH125-471M	471	470 $\pm$ 20%	0.70	0.73	0.65
22	DRH125-561M	561	560 $\pm$ 20%	0.86	0.60	0.58
23	DRH125-681M	681	680 $\pm$ 20%	1.05	0.55	0.55
24	DRH125-821M	821	820 $\pm$ 20%	1.34	0.53	0.47
25	DRH125-102M	102	1000 $\pm$ 20%	1.53	0.45	0.42

DIMENSION (UNIT:mm)



STAMPING



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

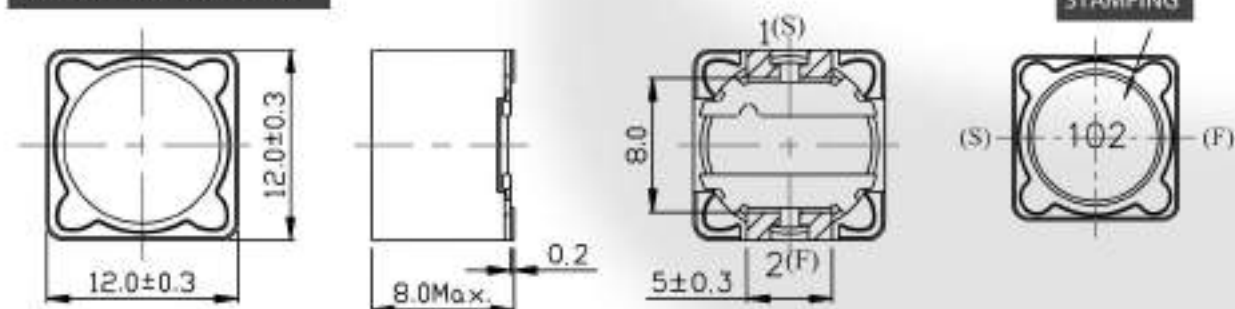
DRH127 Series

TYPE DRH127

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH127-1R2N	1R2	1.2 $\pm$ 30%	6.5	19.74	10.58
DRH127-2R7N	2R7	2.7 $\pm$ 30%	10.5	12.89	8.09
DRH127-3R9N	3R9	3.9 $\pm$ 30%	12.5	11.02	7.42
DRH127-5R0N	5R0	5.0 $\pm$ 30%	14.5	9.62	6.88
DRH127-6R9N	6R9	6.9 $\pm$ 30%	16.5	8.55	6.45
DRH127-8R0N	8R0	8.0 $\pm$ 30%	18.5	7.70	6.08
DRH127-100M	100	10 $\pm$ 20%	20.5	7.01	5.74
DRH127-120M	120	12 $\pm$ 20%	22.5	6.43	5.46
DRH127-150M	150	15 $\pm$ 20%	25.0	5.94	5.20
DRH127-180M	180	18 $\pm$ 20%	29.5	5.17	4.76
DRH127-220M	220	22 $\pm$ 20%	39.5	4.86	4.07
DRH127-270M	270	27 $\pm$ 20%	43.0	4.58	3.90
DRH127-330M	330	33 $\pm$ 20%	61.0	4.11	3.25
DRH127-390M	390	39 $\pm$ 20%	68.5	3.73	3.06
DRH127-470M	470	47 $\pm$ 20%	76.5	3.42	2.89
DRH127-560M	560	56 $\pm$ 20%	108	3.15	2.42
DRH127-680M	680	68 $\pm$ 20%	134	2.82	2.11
DRH127-820M	820	82 $\pm$ 20%	146	2.65	2.02
DRH127-101M	101	100 $\pm$ 20%	209	2.34	1.67
DRH127-121M	121	120 $\pm$ 20%	231	2.17	1.58
DRH127-151M	151	150 $\pm$ 20%	259	1.96	1.49
DRH127-181M	181	180 $\pm$ 20%	333	1.80	1.30
DRH127-221M	221	220 $\pm$ 20%	375	1.62	1.23
DRH127-271M	271	270 $\pm$ 20%	532	1.48	1.02
DRH127-331M	331	330 $\pm$ 20%	597	1.34	0.96
DRH127-391M	391	390 $\pm$ 20%	653	1.25	0.92
DRH127-471M	471	470 $\pm$ 20%	911	1.14	0.77
DRH127-561M	561	560 $\pm$ 20%	994	1.05	0.73
DRH127-681M	681	680 $\pm$ 20%	1370	0.96	0.61
DRH127-821M	821	820 $\pm$ 20%	1530	0.87	0.57
DRH127-102M	102	1000 $\pm$ 20%	1700	0.80	0.54

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

DA54 Series

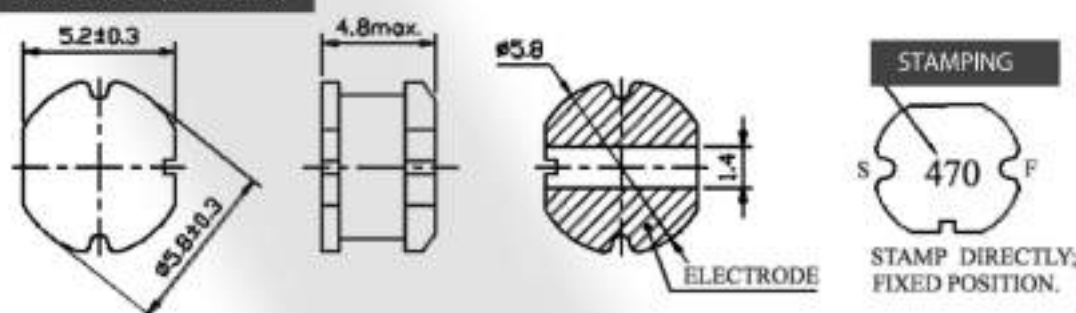
TYPE DA54

ELECTRICAL CHARACTERISTICS

PART NUMBER	L (μ H)	L TOLERANCE	D.C.R. (m Ω)	RATED CURRENT Max. (A)		SRF (MHz) Typ.	STAMP
				Idc1	Idc2		
DA54-1R0M	1.0	M	23.5	4.5	3.4	188	1R0
DA54-1R2M	1.2		27.5	4.0	3.2	158	1R2
DA54-1R8M	1.8		32.0	3.5	3.0	122	1R8
DA54-2R2M	2.2		36.5	2.9	2.8	81	2R2
DA54-2R7M	2.7		40.5	2.5	2.7	68	2R7
DA54-3R3M	3.3		45.0	2.4	2.6	55	3R3
DA54-3R9M	3.9		49.5	2.3	2.5	49	3R9
DA54-4R7M	4.7		54.5	2.2	2.4	46	4R7
DA54-5R6M	5.6		64.0	2.0	2.3	40	5R6
DA54-6R8M	6.8		69.0	1.9	2.2	35	6R8
DA54-8R2M	8.2		79.0	1.7	2.1	28	8R2
DA54-100M	10		69.5	1.5	2.0	32	100
DA54-120M	12	M,K	79.0	1.4	1.9	30	120
DA54-150M	15		104	1.2	1.7	24	150
DA54-180M	18		121	1.0	1.5	22	180
DA54-220M	22		154	0.97	1.3	21	220
DA54-270M	27		174	0.89	1.2	18	270
DA54-330M	33		204	0.73	1.1	17	330
DA54-390M	39		268	0.71	1.0	14	390
DA54-470M	47		306	0.69	0.90	14	470
DA54-560M	56		342	0.66	0.80	12	560
DA54-680M	68		381	0.61	0.70	11	680
DA54-820M	82		505	0.54	0.65	10	820
DA54-101M	100		589	0.48	0.60	9	101
DA54-121M	120		779	0.37	0.58	8	121
DA54-151M	150		895	0.35	0.56	8	151
DA54-181M	180		1140	0.32	0.47	6	181
DA54-221M	220		1267	0.27	0.45	5	221
DA54-271M	270		1434	0.25	0.43	4	271
DA54-331M	330		1703	0.24	0.36	4	331

M: $\pm 20\%$, K: $\pm 10\%$

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

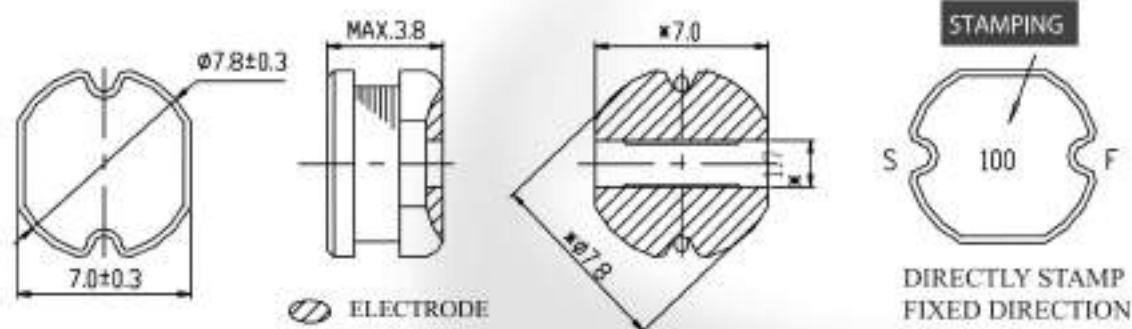
DA73 Series

TYPE DA73

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) MAX.(TYP.)	RATED CURRENT Max. (A) $\pm 2\%$
DA73-100K	100	10 $\pm$ 10%	80.3(64.2)	1.59
DA73-120K	120	12 $\pm$ 10%	87.1(69.7)	1.52
DA73-150K	150	15 $\pm$ 10%	101(80.6)	1.29
DA73-180K	180	18 $\pm$ 10%	107(85.9)	1.14
DA73-220K	220	22 $\pm$ 10%	124(98.9)	1.04
DA73-270K	270	27 $\pm$ 10%	149(119)	0.93
DA73-330K	330	33 $\pm$ 10%	165(132)	0.83
DA73-390K	390	39 $\pm$ 10%	220(176)	0.75
DA73-470K	470	47 $\pm$ 10%	251(201)	0.71
DA73-560K	560	56 $\pm$ 10%	285(228)	0.60
DA73-680K	680	68 $\pm$ 10%	333(266)	0.59
DA73-820K	820	82 $\pm$ 10%	414(331)	0.54
DA73-101K	101	100 $\pm$ 10%	487(390)	0.47
DA73-121K	121	120 $\pm$ 10%	549(439)	0.45
DA73-151K	151	150 $\pm$ 10%	772(617)	0.39
DA73-181K	181	180 $\pm$ 10%	952(762)	0.37
DA73-221K	221	220 $\pm$ 10%	1080(864)	0.32
DA73-271K	271	270 $\pm$ 10%	1260(1008)	0.30
DA73-331K	331	330 $\pm$ 10%	1450(1160)	0.27

DIMENSION (UNIT:mm)



* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY $\Delta T = 40^\circ\text{C}$, WHICHEVER IS SMALLER. ($T_a = 20^\circ\text{C}$)

POWER INDUCTORS SMD SERIES

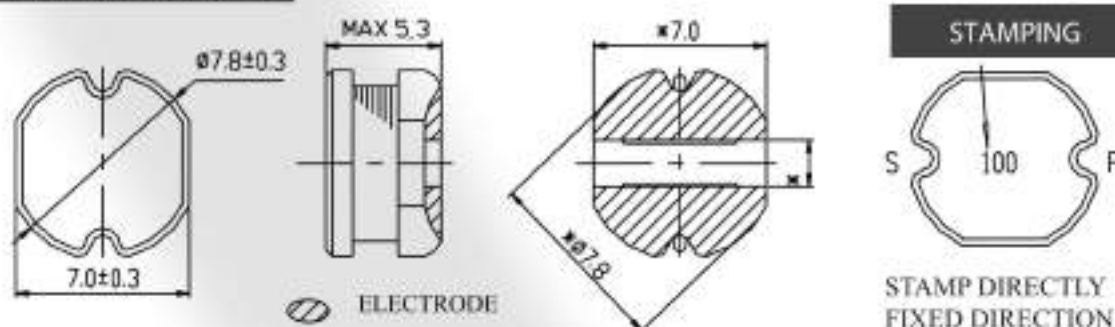
DA75 Series

TYPE DA75

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H)	D.C.R. (Ω , 25°C) Max.(Typ.)	RATED CURRENT Max. (A)		S.R.F. (Typ.)
				Idc1	Idc2	
DA75-100K	100	10 $\pm$ 10%	52m(40m)	2.4	2.3	26
DA75-120K	120	12 $\pm$ 10%	61m(46.9m)	2.3	2.0	24
DA75-150K	150	15 $\pm$ 10%	70m(53.7m)	2.2	1.8	22
DA75-180K	180	18 $\pm$ 10%	80m(61.5m)	2.1	1.6	20
DA75-220K	220	22 $\pm$ 10%	89m(68.2m)	1.9	1.5	19
DA75-270K	270	27 $\pm$ 10%	120m(83.5m)	1.8	1.3	13
DA75-330K	330	33 $\pm$ 10%	130m(93m)	1.7	1.2	12
DA75-390K	390	39 $\pm$ 10%	160m(127m)	1.5	1.1	12
DA75-470K	470	47 $\pm$ 10%	180m(135m)	1.4	1.1	12
DA75-560K	560	56 $\pm$ 10%	240m(177m)	1.2	0.94	10
DA75-680K	680	68 $\pm$ 10%	280m(208m)	1.1	0.85	10
DA75-820K	820	82 $\pm$ 10%	370m(271m)	1.0	0.78	9
DA75-101K	101	100 $\pm$ 10%	430m(310m)	0.90	0.72	8
DA75-121K	121	120 $\pm$ 10%	470m(346m)	0.80	0.66	8
DA75-151K	151	150 $\pm$ 10%	640m(491m)	0.70	0.58	6
DA75-181K	181	180 $\pm$ 10%	710m(551m)	0.65	0.51	6
DA75-221K	221	220 $\pm$ 10%	960m(714m)	0.60	0.49	5
DA75-271K	271	270 $\pm$ 10%	1.11(821m)	0.55	0.42	5
DA75-331K	331	330 $\pm$ 10%	1.26(979m)	0.50	0.40	4
DA75-391K	391	390 $\pm$ 10%	1.77(1265m)	0.45	0.36	4
DA75-471K	471	470 $\pm$ 10%	1.96(1421m)	0.42	0.34	4

DIMENSION (UNIT:mm)



* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

POWER INDUCTORS SMD SERIES

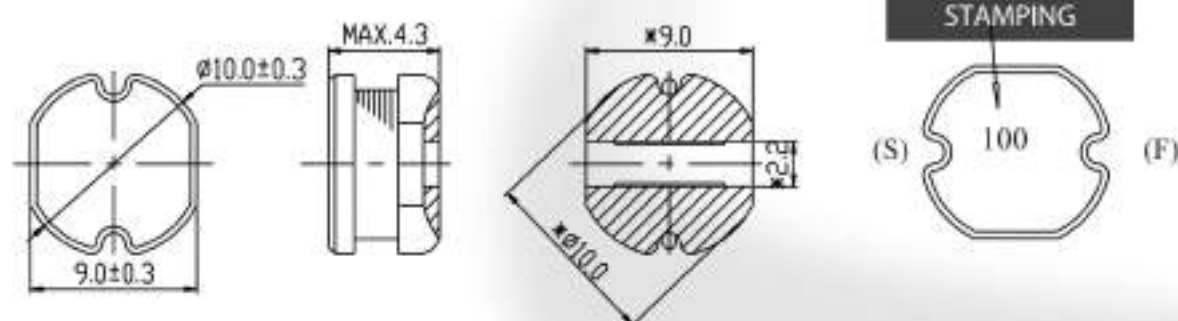
DA104 Series

TYPE DA104

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) MAX.	RATED CURRENT Max. (A) ^{*)}
DA104-100M	100	10 $\pm$ 20%	50	2.38
DA104-120M	120	12 $\pm$ 20%	60	2.13
DA104-150M	150	15 $\pm$ 20%	70	1.87
DA104-180M	180	18 $\pm$ 20%	80	1.73
DA104-220M	220	22 $\pm$ 20%	90	1.60
DA104-270M	270	27 $\pm$ 20%	100	1.44
DA104-330M	330	33 $\pm$ 20%	120	1.26
DA104-390M	390	39 $\pm$ 20%	150	1.20
DA104-470M	470	47 $\pm$ 20%	170	1.10
DA104-560K	560	56 $\pm$ 10%	200	1.01
DA104-680K	680	68 $\pm$ 10%	220	0.91
DA104-820K	820	82 $\pm$ 10%	250	0.85
DA104-101K	101	100 $\pm$ 10%	340	0.74
DA104-121K	121	120 $\pm$ 10%	400	0.69
DA104-151K	151	150 $\pm$ 10%	540	0.61
DA104-181K	181	180 $\pm$ 10%	620	0.56
DA104-221K	221	220 $\pm$ 10%	720	0.53
DA104-271K	271	270 $\pm$ 10%	950	0.45
DA104-331K	331	330 $\pm$ 10%	1100	0.42
DA104-391K	391	390 $\pm$ 10%	1240	0.38
DA104-471K	471	470 $\pm$ 10%	1530	0.35
DA104-561K	561	560 $\pm$ 10%	1900	0.32

DIMENSION (UNIT:mm)



* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY $\Delta T = 40^{\circ}\text{C}$, WHICHEVER IS SMALLER. ($T_a = 20^{\circ}\text{C}$)

POWER INDUCTORS SMD SERIES

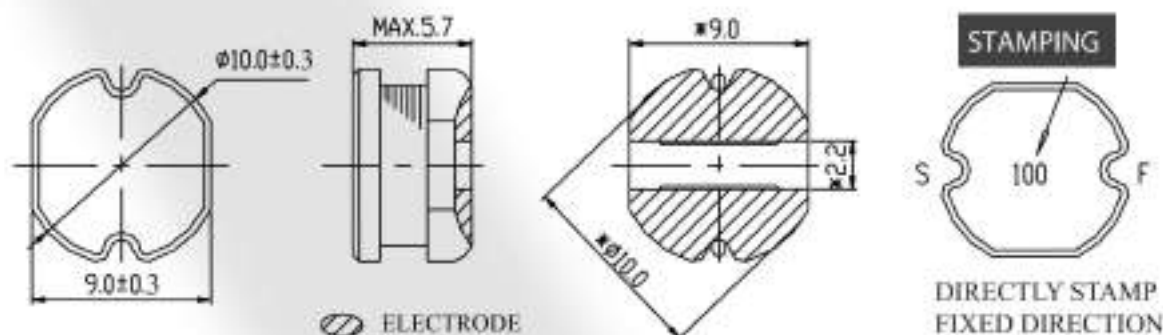
DA105 Series

TYPE DA105

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω) MAX.	RATED CURRENT Max. (A) ①	SRF (MHz) (TYP)
DA105-100M	100	$10 \pm 20\%$	40m	3.50	27
DA105-120M	120	$12 \pm 20\%$	50m	3.03	23
DA105-150M	150	$15 \pm 20\%$	60m	2.87	20
DA105-180M	180	$18 \pm 20\%$	70m	2.48	18
DA105-220M	220	$22 \pm 20\%$	80m	2.32	17
DA105-270M	270	$27 \pm 20\%$	100m	2.06	14
DA105-330M	330	$33 \pm 20\%$	110m	1.82	13
DA105-390M	390	$39 \pm 20\%$	120m	1.68	12
DA105-470K	470	$47 \pm 10\%$	150m	1.54	10
DA105-560K	560	$56 \pm 10\%$	170m	1.44	9
DA105-680K	680	$68 \pm 10\%$	210m	1.27	9
DA105-820K	820	$82 \pm 10\%$	240m	1.18	8
DA105-101K	101	$100 \pm 10\%$	330m	1.05	7
DA105-121K	121	$120 \pm 10\%$	370m	0.95	6
DA105-151K	151	$150 \pm 10\%$	430m	0.88	6
DA105-181K	181	$180 \pm 10\%$	580m	0.79	5
DA105-221K	221	$220 \pm 10\%$	650m	0.73	5
DA105-271K	271	$270 \pm 10\%$	880m	0.64	4
DA105-331K	331	$330 \pm 10\%$	1.05	0.60	4
DA105-391K	391	$390 \pm 10\%$	1.20	0.54	4
DA105-471K	471	$470 \pm 10\%$	1.30	0.50	3
DA105-561K	561	$560 \pm 10\%$	1.70	0.46	3
DA105-681K	681	$680 \pm 10\%$	2.00	0.42	3
DA105-821K	821	$820 \pm 10\%$	2.25	0.39	3

DIMENSION (UNIT:mm)



* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

POWER INDUCTORS SMD SERIES

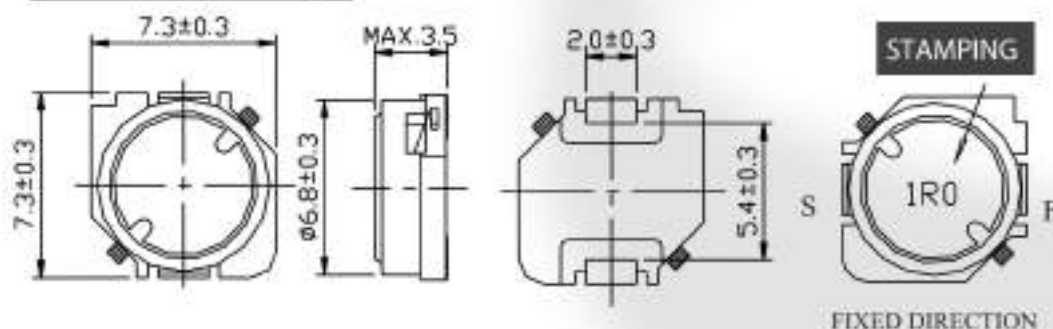
SD73 Series

TYPE SD73

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω) Max.	RATED CURRENT Max. (A)	
				Idc1	Idc2
SD73-1R0M	1R0	1.0 $\pm$ 20%	25m	3.5	3.2
SD73-1R5M	1R5	1.5 $\pm$ 20%	31m	2.9	2.9
SD73-1R8M	1R8	1.8 $\pm$ 20%	35m	2.5	2.6
SD73-2R7M	2R7	2.7 $\pm$ 20%	42m	2.1	2.2
SD73-3R3M	3R3	3.3 $\pm$ 20%	48m	1.8	2.1
SD73-3R9M	3R9	3.9 $\pm$ 20%	55m	1.7	2.0
SD73-4R7M	4R7	4.7 $\pm$ 20%	61m	1.5	1.9
SD73-5R6M	5R6	5.6 $\pm$ 20%	68m	1.3	1.8
SD73-6R8M	6R8	6.8 $\pm$ 20%	74m	1.1	1.7
SD73-8R2M	8R2	8.2 $\pm$ 20%	81m	1.0	1.6
SD73-100M	100	10 $\pm$ 20%	94m	0.96	1.5
SD73-120M	120	12 $\pm$ 20%	0.10	0.88	1.4
SD73-150M	150	15 $\pm$ 20%	0.13	0.80	1.3
SD73-180M	180	18 $\pm$ 20%	0.16	0.76	1.1
SD73-220M	220	22 $\pm$ 20%	0.18	0.72	1.0
SD73-270M	270	27 $\pm$ 20%	0.24	0.68	0.96
SD73-330M	330	33 $\pm$ 20%	0.26	0.64	0.88
SD73-390M	390	39 $\pm$ 20%	0.30	0.60	0.80
SD73-470M	470	47 $\pm$ 20%	0.35	0.58	0.76
SD73-560M	560	56 $\pm$ 20%	0.44	0.54	0.68
SD73-680M	680	68 $\pm$ 20%	0.54	0.52	0.64
SD73-820M	820	82 $\pm$ 20%	0.59	0.46	0.58
SD73-101M	101	100 $\pm$ 20%	0.74	0.43	0.51
SD73-121M	121	120 $\pm$ 20%	0.94	0.36	0.46
SD73-151M	151	150 $\pm$ 20%	1.2	0.34	0.40
SD73-181M	181	180 $\pm$ 20%	1.4	0.32	0.38
SD73-221M	221	220 $\pm$ 20%	1.9	0.28	0.32
SD73-271M	271	270 $\pm$ 20%	2.3	0.22	0.29

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

DRH4D18 Series

TYPE DRH4D18

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω)	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH4D18-1R0N	1R0	1.0 $\pm$ 30%	35	2.46	2.34
DRH4D18-1R8N	1R8	1.8 $\pm$ 30%	45	1.92	2.29
DRH4D18-2R3N	2R3	2.3 $\pm$ 30%	52	1.56	1.87
DRH4D18-3R1N	3R1	3.1 $\pm$ 30%	70	1.44	1.53
DRH4D18-3R7N	3R7	3.7 $\pm$ 30%	79	1.40	1.38
DRH4D18-4R7N	4R7	4.7 $\pm$ 30%	117	1.24	1.1
DRH4D18-5R6N	5R6	5.6 $\pm$ 30%	130	1.12	1.1
DRH4D18-6R4N	6R4	6.4 $\pm$ 30%	134	1.06	1.02
DRH4D18-7R2N	7R2	7.2 $\pm$ 30%	142	0.99	1.01
DRH4D18-9R5N	9R5	9.5 $\pm$ 30%	192	0.91	0.95
DRH4D18-100M	100	10 $\pm$ 20%	174	0.82	0.95
DRH4D18-120M	120	12 $\pm$ 20%	183	0.79	0.80
DRH4D18-150M	150	15 $\pm$ 20%	210	0.67	0.68
DRH4D18-180M	180	18 $\pm$ 20%	294	0.62	0.67
DRH4D18-220M	220	22 $\pm$ 20%	346	0.59	0.63
DRH4D18-270M	270	27 $\pm$ 20%	396	0.55	0.61
DRH4D18-330M	330	33 $\pm$ 20%	565	0.48	0.54
DRH4D18-390M	390	39 $\pm$ 20%	614	0.42	0.46
DRH4D18-470M	470	47 $\pm$ 20%	798	0.40	0.41
DRH4D18-560M	560	56 $\pm$ 20%	912	0.36	0.41
DRH4D18-680M	680	68 $\pm$ 20%	1153	0.33	0.31
DRH4D18-820M	820	82 $\pm$ 20%	1329	0.31	0.31
DRH4D18-101M	101	100 $\pm$ 20%	1514	0.29	0.28
DRH4D18-121M	121	120 $\pm$ 20%	1983	0.28	0.25
DRH4D18-151M	151	150 $\pm$ 20%	2292	0.21	0.25
DRH4D18-181M	181	180 $\pm$ 20%	3200	0.21	0.19

DIMENSION (UNIT:mm)



STAMPING



NOT INCLUDING THE DIMENSIONS OF TERMINAL.

* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

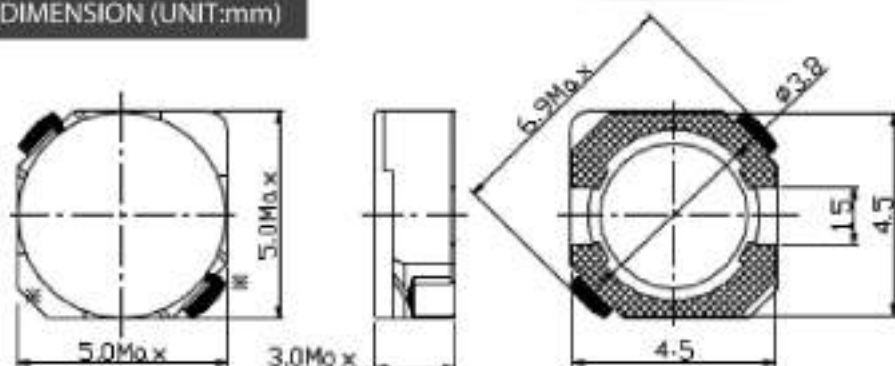
DRH4D28 Series

TYPE DRH4D28

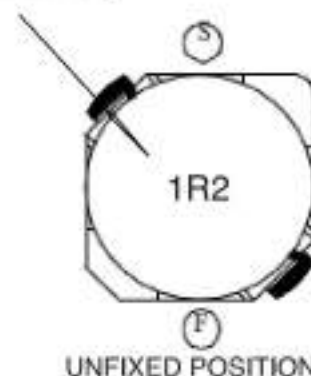
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH4D28-1R2N	1R2	1.2 $\pm$ 30%	17.0	3.52	3.63
DRH4D28-1R8N	1R8	1.8 $\pm$ 30%	19.8	2.87	3.13
DRH4D28-2R2N	2R2	2.2 $\pm$ 30%	23.1	2.72	3.08
DRH4D28-2R7N	2R7	2.7 $\pm$ 30%	26.3	2.56	3.00
DRH4D28-3R6N	3R6	3.6 $\pm$ 30%	35.6	2.39	2.42
DRH4D28-4R4N	4R4	4.4 $\pm$ 30%	40.3	1.99	2.24
DRH4D28-5R1N	5R1	5.1 $\pm$ 30%	44.2	1.80	2.14
DRH4D28-6R4N	6R4	6.4 $\pm$ 30%	59.7	1.56	1.86
DRH4D28-7R4N	7R4	7.4 $\pm$ 30%	64.9	1.46	1.81
DRH4D28-8R2N	8R2	8.2 $\pm$ 30%	87.9	1.40	1.43
DRH4D28-100M	100	10 $\pm$ 20% 94.1	1.35	1.38	
DRH4D28-120M	120	12 $\pm$ 20% 108	1.15	1.32	
DRH4D28-150M	150	15 $\pm$ 20% 118	1.02	1.25	
DRH4D28-180M	180	18 $\pm$ 20% 127	0.95	1.16	
DRH4D28-220M	220	22 $\pm$ 20% 205	0.87	0.89	
DRH4D28-270M	270	27 $\pm$ 20% 234	0.79	0.86	
DRH4D28-330M	330	33 $\pm$ 20% 286	0.68	0.79	
DRH4D28-390M	390	39 $\pm$ 20% 309	0.65	0.74	
DRH4D28-470M	470	47 $\pm$ 20% 400	0.59	0.66	
DRH4D28-560M	560	56 $\pm$ 20% 430	0.54	0.62	
DRH4D28-680M	680	68 $\pm$ 20% 611	0.49	0.50	
DRH4D28-820M	820	82 $\pm$ 20% 677	0.46	0.50	
DRH4D28-101M	101	100 $\pm$ 20%	743	0.42	0.50
DRH4D28-121M	121	120 $\pm$ 20%	1040	0.37	0.38
DRH4D28-151M	151	150 $\pm$ 20%	1150	0.32	0.36
DRH4D28-181M	181	180 $\pm$ 20%	1302	0.30	0.35

DIMENSION (UNIT:mm)



STAMPING



* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.
* NOT INCLUDING THE DIMENSIONS OF TERMINAL.

* Idc1: CORE SATURATION CURRENT
* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

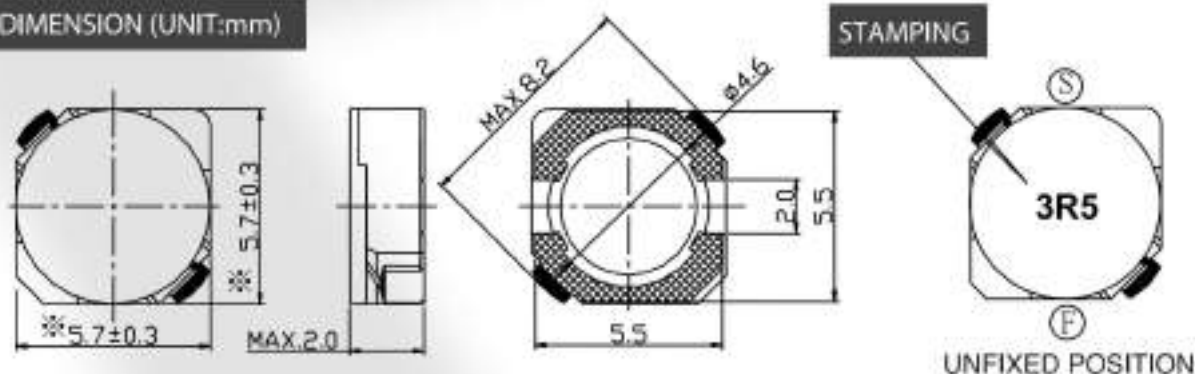
DRH5D18 Series

TYPE DRH5D18

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH5D18-3R5N	3R5	3.5 $\pm$ 30%	40.4	1.97	2.20
DRH5D18-4R2N	4R2	4.2 $\pm$ 30%	53.4	1.85	2.12
DRH5D18-5R4N	5R4	5.4 $\pm$ 30%	69.1	1.61	1.88
DRH5D18-6R5N	6R5	6.5 $\pm$ 30%	76.7	1.46	1.82
DRH5D18-7R9N	7R9	7.9 $\pm$ 30%	101	1.33	1.50
DRH5D18-100M	100	10 $\pm$ 20%	118	1.20	1.39
DRH5D18-120M	120	12 $\pm$ 20%	129	1.10	1.31
DRH5D18-150M	150	15 $\pm$ 20%	150	0.97	1.12
DRH5D18-180M	180	18 $\pm$ 20%	186	0.89	1.09
DRH5D18-220M	220	22 $\pm$ 20%	228	0.80	0.90
DRH5D18-270M	270	27 $\pm$ 20%	281	0.75	0.83
DRH5D18-330M	330	33 $\pm$ 20%	327	0.65	0.79
DRH5D18-390M	390	39 $\pm$ 20%	454	0.57	0.64
DRH5D18-470M	470	47 $\pm$ 20%	515	0.55	0.60
DRH5D18-560M	560	56 $\pm$ 20%	577	0.50	0.55
DRH5D18-680M	680	68 $\pm$ 20%	664	0.46	0.54
DRH5D18-820M	820	82 $\pm$ 20%	900	0.41	0.45
DRH5D18-101M	101	100 $\pm$ 20%	967	0.36	0.44
DRH5D18-121M	121	120 $\pm$ 20%	1124	0.35	0.43

DIMENSION (UNIT:mm)



* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.
* NOT INCLUDING THE DIMENSIONS OF TERMINAL

* Idc1: CORE SATURATION CURRENT
* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

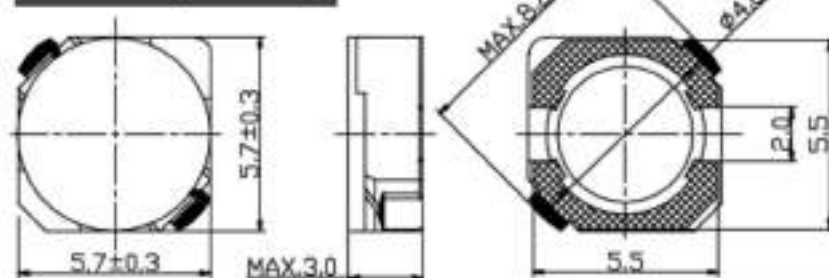
DRH5D28 Series

TYPE DRH5D28

ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (m Ω) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH5D28-2R7M	2R7	2.7 $\pm$ 30%	19.7	2.77	3.68
DRH5D28-3R3M	3R3	3.3 $\pm$ 30%	23.2	2.45	3.40
DRH5D28-4R2M	4R2	4.2 $\pm$ 30%	26.1	2.20	2.94
DRH5D28-5R1M	5R1	5.1 $\pm$ 30%	30.2	2.00	2.92
DRH5D28-6R2M	6R2	6.2 $\pm$ 30%	40.9	1.80	2.38
DRH5D28-8R5M	8R5	8.5 $\pm$ 30%	48.8	1.55	2.06
DRH5D28-100M	100	10 $\pm$ 20%	58.5	1.30	1.90
DRH5D28-120M	120	12 $\pm$ 20%	68.9	1.20	1.61
DRH5D28-150M	150	15 $\pm$ 20%	87.9	1.12	1.43
DRH5D28-180M	180	18 $\pm$ 20%	93.0	1.00	1.39
DRH5D28-220M	220	22 $\pm$ 20%	105	0.91	1.24
DRH5D28-270M	270	27 $\pm$ 20%	152	0.85	1.01
DRH5D28-330M	330	33 $\pm$ 20%	167	0.75	0.98
DRH5D28-390M	390	39 $\pm$ 20%	184	0.70	0.98
DRH5D28-470M	470	47 $\pm$ 20%	200	0.62	0.87
DRH5D28-560M	560	56 $\pm$ 20%	263	0.58	0.72
DRH5D28-680M	680	68 $\pm$ 20%	298	0.52	0.66
DRH5D28-820M	820	82 $\pm$ 20%	389	0.46	0.61
DRH5D28-101M	101	100 $\pm$ 20%	437	0.42	0.60
DRH5D28-121M	121	120 $\pm$ 20%	604	0.37	0.49
DRH5D28-151M	151	150 $\pm$ 20%	682	0.33	0.49
DRH5D28-181M	181	180 $\pm$ 20%	779	0.30	0.47
DRH5D28-221M	221	220 $\pm$ 20%	1166	0.28	0.37
DRH5D28-271M	271	270 $\pm$ 20%	1172	0.25	0.35
DRH5D28-331M	331	330 $\pm$ 20%	1669	0.22	0.28
DRH5D28-391M	391	390 $\pm$ 20%	1852	0.20	0.27
DRH5D28-471M	471	470 $\pm$ 20%	2076	0.19	0.27
DRH5D28-561M	561	560 $\pm$ 20%	2337	0.17	0.24

DIMENSION (UNIT:mm)



* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.
* NOT INCLUDING THE DIMENSIONS OF TERMINAL.

STAMPING



UNFIXED POSITION

* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

DA32 Series

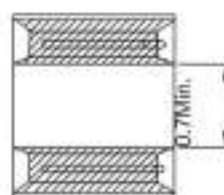
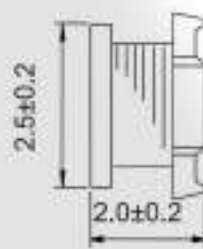
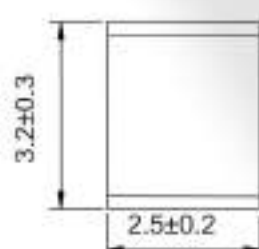
TYPE DA32

ELECTRICAL CHARACTERISTICS

PART NUMBER	INDUCTANCE WITHIN		D.C.R. (Ω) Max.	RATED CURRENT Max. (A)		SRF (MHz) Typ.
	L (μ H)	TERMINALS		Idc1	Idc2	
DA32-R27M	0.27	M	0.025	3.50	2.90	280
DA32-R75M	0.75		0.050	2.00	1.80	130
DA32-1R0M	1.0		0.060	1.70	1.80	120
DA32-1R5M	1.5		0.085	1.40	1.45	100
DA32-1R8M	1.8		0.09	1.30	1.45	90
DA32-2R2M	2.2		0.11	1.20	1.30	70
DA32-2R7M	2.7		0.12	1.10	1.20	65
DA32-3R3M	3.3		0.14	0.95	1.10	60
DA32-3R9M	3.9		0.18	0.90	1.00	55
DA32-4R7M	4.7		0.20	0.80	0.88	50
DA32-5R6M	5.6		0.22	0.75	0.88	43
DA32-6R8M	6.8		0.33	0.68	0.65	42
DA32-8R2M	8.2		0.35	0.63	0.65	40
DA32-100M	10.0		0.50	0.53	0.50	35
DA32-150M	15.0		0.65	0.46	0.46	30
DA32-180M	18.0	K, M	0.70	0.42	0.44	25
DA32-220M	22.0		1.00	0.38	0.40	22
DA32-270M	27.0		1.10	0.34	0.38	20
DA32-330M	33.0		1.55	0.30	0.32	18
DA32-390M	39.0		1.75	0.29	0.30	17
DA32-470M	47.0		2.40	0.25	0.24	14
DA32-560M	56.0		2.50	0.24	0.23	13
DA32-680M	68.0		3.10	0.22	0.22	12
DA32-820M	82.0		3.50	0.16	0.22	11
DA32-101K	100.0	K	5.00	0.15	0.15	11
DA32-121K	120.0		5.50	0.13	0.14	9
DA32-151K	150.0		6.50	0.12	0.14	8
DA32-181K	180.0		9.00	0.11	0.11	7
DA32-221K	220.0		10.0	0.11	0.11	6

M: $\pm 20\%$, K: $\pm 10\%$

DIMENSION (UNIT:mm)



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT

POWER INDUCTORS SMD SERIES

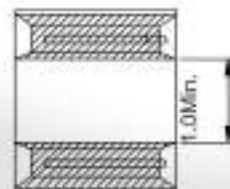
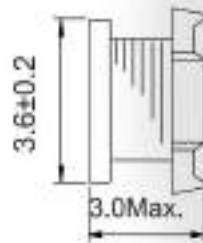
DA43 Series

TYPE DA43

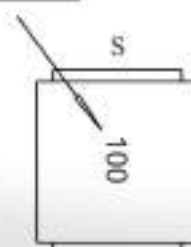
ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE (μ H) Within	D.C.R. (Ω) Max.	RATED CURRENT Max. (A)		SRF (MHz) Typ.
				Idc1	Idc2	
DA43-1R0M	1R0	1.0 $\pm$ 20%	0.05	4.50	2.00	100.0
DA43-1R5M	1R5	1.5 $\pm$ 20%	0.06	3.80	1.45	85.0
DA43-2R2M	2R2	2.2 $\pm$ 20%	0.07	3.20	1.30	60.0
DA43-3R3M	3R3	3.3 $\pm$ 20%	0.12	2.50	0.95	47.0
DA43-4R7M	4R7	4.7 $\pm$ 20%	0.14	2.20	0.90	35.0
DA43-6R8M	6R8	6.8 $\pm$ 20%	0.22	1.80	0.70	30.0
DA43-100K	100	10.0 $\pm$ 10%	0.28	1.40	0.70	23.0
DA43-150K	150	15.0 $\pm$ 10%	0.36	1.20	0.50	20.0
DA43-220K	220	22.0 $\pm$ 10%	0.60	1.00	0.47	15.0
DA43-270K	270	27.0 $\pm$ 10%	0.75	0.90	0.41	13.5
DA43-330K	330	33.0 $\pm$ 10%	1.00	0.80	0.36	12.0
DA43-470K	470	47.0 $\pm$ 10%	1.30	0.70	0.34	10.0
DA43-560K	560	56.0 $\pm$ 10%	1.90	0.60	0.30	9.0
DA43-680K	680	68.0 $\pm$ 10%	2.20	0.55	0.24	8.4
DA43-101K	101	100.0 $\pm$ 10%	2.80	0.45	0.20	6.8
DA43-121K	121	120.0 $\pm$ 10%	3.50	0.40	0.18	6.2
DA43-151K	151	150.0 $\pm$ 10%	4.30	0.35	0.18	5.5
DA43-181K	181	180.0 $\pm$ 10%	5.00	0.33	0.16	5.0
DA43-221K	221	220.0 $\pm$ 10%	7.00	0.30	0.14	4.5
DA43-331K	331	330.0 $\pm$ 10%	9.00	0.22	0.13	3.6
DA43-471K	471	470.0 $\pm$ 10%	13.00	0.20	0.10	3.0
DA43-561K	561	560.0 $\pm$ 10%	15.00	0.19	0.10	2.8
DA43-681K	681	680.0 $\pm$ 10%	16.00	0.18	0.09	2.5
DA43-821K	821	820.0 $\pm$ 10%	18.50	0.17	0.09	2.2
DA43-102K	102	1000.0 $\pm$ 10%	24.00	0.15	0.08	2.0

DIMENSION (UNIT:mm)



STAMPING



* Idc1: CORE SATURATION CURRENT

* Idc2: MAX. WIRE CURRENT



Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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TECHNOLOGY**



Company Background

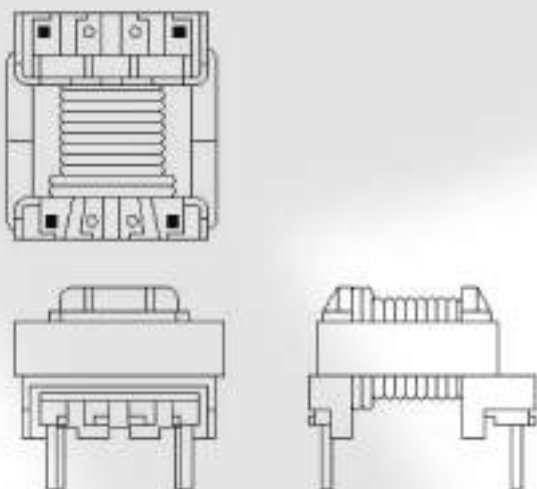
Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 2 A

TYPES

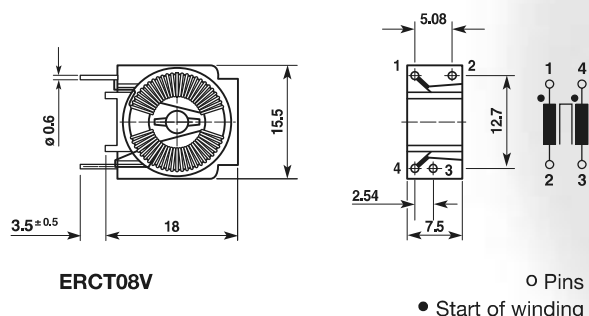
ERCT08V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

Pins are tinned

Pins distance tolerances ± 0.2 mm



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
ERCT08V0301	0.3	1	180
ERCT08V0302	0.3	2.2	300
ERCT08V0303	0.3	4.7	400
ERCT08V0304	0.3	12	650
ERCT08V0500	0.5	1	100
ERCT08V0501	0.5	2.2	140
ERCT08V0600	0.6	4.4	220
ERCT08V1000	1	0.1	30
ERCT08V1001	1	1	60
ERCT08V1002	1	3	150
ERCT08V2000	2	1.1	70

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	3 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 2A

TYPES

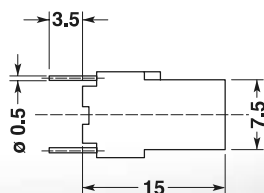
ERCT10V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

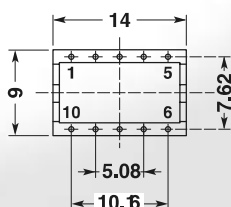
Pins are tinned

Pins distance tolerances ± 0.2 mm



ERCT10V

Vertical mounting



Standard



○ Pins

● Start of winding

Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
ERCT10V0301	0.3	1	180
ERCT10V0302	0.3	2.2	300
ERCT10V0303	0.3	4.7	400
ERCT10V0304	0.3	12	650
ERCT10V0501	0.5	1	100
ERCT10V0502	0.5	2.2	140
ERCT10V0600	0.6	4.4	220
ERCT10V1000	1	0.1	30
ERCT10V1001	1	1	60
ERCT10V1002	1	3	150
ERCT10V2000	2	1.1	70

Technical Data

Rated current:

Rated inductance:

Inductance tolerance:

Inductance loss:

Testing voltage:

Climatic category:

DC resistance:

Derating operating current:

Overtemperature of windings:

Max. permissible temperature of windings:

Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.

+50 -30%

< 10% at DC initial loading with IR

1500 V -50 Hz, 2 sec, winding to winding

DIN GKC (-40 to +125°C; humidity cat. C)

at +20°C

at +120°C ambient temperature I=0

< 55°C

115 °C

3 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.4 to 3.6A

TYPES

ERCT13H

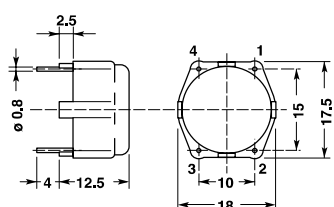
ERCT13V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

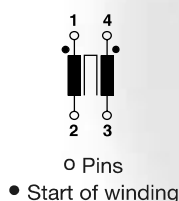
Max Dimensions in mm

Pins are tinned

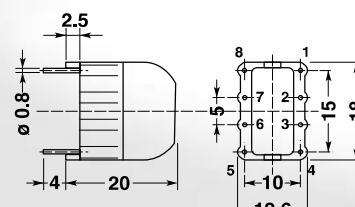
Pins distance tolerances ± 0.2 mm



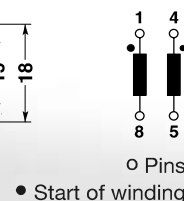
ERCT13H
Horizontal mounting



○ Pins
● Start of winding



ERCT13V
Vertical mounting



○ Pins
● Start of winding

Optional pins: 2-7/3-6

Types

Horizontal	Vertical	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
Code	Code			
ERCT13H0400	ERCT13V0400	0.4	39	2600
ERCT13H0401	ERCT13V0401	0.4	27	1000
ERCT13H0500	ERCT13V0500	0.5	18	940
ERCT13H0700	ERCT13V0700	0.7	10	360
ERCT13H1000	ERCT13V1000	1	6.8	400
ERCT13H1200	ERCT13V1200	1.2	6.8	330
ERCT13H1500	ERCT13V1500	1.5	3.3	100
ERCT13H2002	ERCT13V2002	2	1	40
ERCT13H2600	ERCT13V2600	2.6	0.4	60
ERCT13H3000	ERCT13V3000	3	1	50
ERCT13H3600	ERCT13V3600	3.6	0.4	15

Technical Data

Rated current:

Rated inductance:

Inductance tolerance:

Inductance loss:

Testing voltage:

Climatic category:

DC resistance:

Derating operating current:

Overtemperature of windings:

Max. permissible temperature of windings:

Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature

at +20°C and 10 kHz, 0.1 mA.

+50 -30%

< 10% at DC initial loading with IR

1500 V -50 Hz, 2 sec, winding to winding

DIN GKC (-40 to +125°C; humidity cat. C)

at +20°C

at +120°C ambient temperature I=0

< 55°C

115 °C

10 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 3A

TYPES

ERCT16H

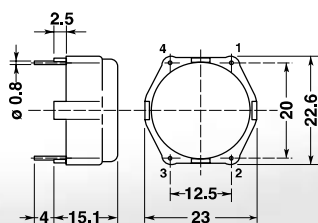
ERCT16V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

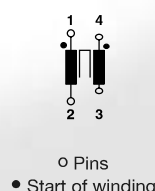
Max Dimensions in mm

Pins are tinned

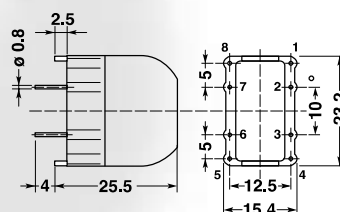
Pins distance tolerances ± 0.2 mm



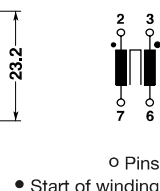
ERCT16H
Horizontal mounting



Dimensions in mm
Pins are tinned



ERCT16V
Vertical mounting



Optional pins: 1-8/4-5

Types

Horizontal	Vertical	Rated current per winding	Rated inductance per winding	DC resistance per winding (typical)
Code	Code	A	mH	mΩ
ERCT16H0300	ERCT16V0300	0,3	47	1400
ERCT16H0500	ERCT16V0500	0,5	27	900
	ERCT16V0501	0,5	39	1100
	ERCT16V0502	0,5	47	1200
	ERCT16V0600	0,6	18	480
	ERCT16V0800	0,8	15	360
	ERCT16V0801	0,8	27	500
	ERCT16V0802	0,8	18	400
ERCT16H1000	ERCT16V1000	1	10	450
	ERCT16V1001	1	15	540
	ERCT16V1002	1	5	300
	ERCT16V1200	1,2	10	400
	ERCT16V1500	1,5	6,8	260
ERCT16H2000	ERCT16V2000	2	2,2	70
	ERCT16V2500	2,5	3,3	120
ERCT16H3000	ERCT16V3000	3	1,1	70

Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
13 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.5 to 4A

TYPES

ERCT20H

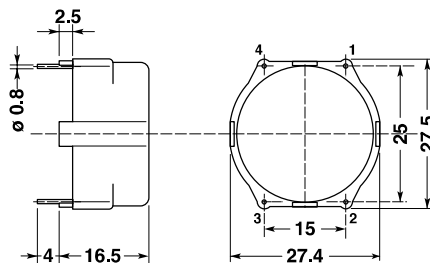
ERCT20V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

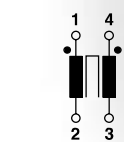
Pins are tinned

Pins distance tolerances ± 0.2 mm



ERCT20H

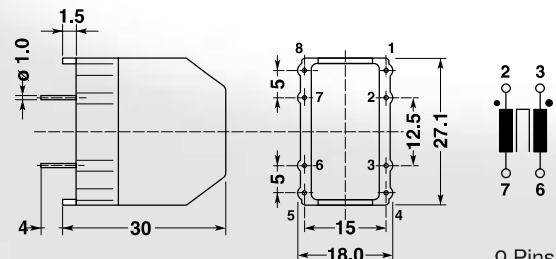
Horizontal mounting



○ Pins

● Start of winding

Dimensions in mm
Pins are tinned



ERCT20V

Vertical mounting

○ Pins

● Start of winding

Optional pins: 1-8/4-5

Types

Horizontal	Vertical	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
Code	Code			
ERCT20H0500	ERCT20V0500	0.5	56	2000
ERCT20H0600		0.6	47	1150
ERCT20H1000	ERCT20V1000	1	27	600
ERCT20H2000	ERCT20V2000	2	5.6	170
ERCT20H4000	ERCT20V4000	4	2.7	45

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	16 g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 0.5 to 6A

TYPES

ERCT25H

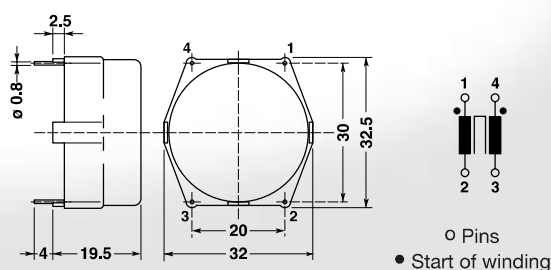
ERCT25V

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

Pins are tinned

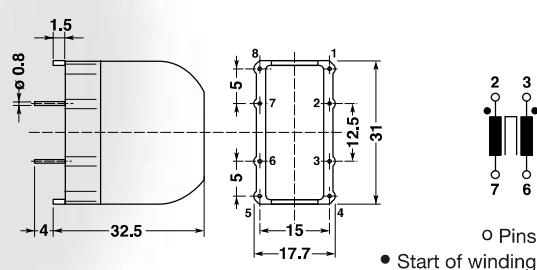
Pins distance tolerances ± 0.2 mm



ERCT25H

Horizontal mounting

Dimensions in mm
Pins are tinned



ERCT25V

Vertical mounting

Optional pins: 1-8/4-5

Types

Horizontal	Vertical	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
Code	Code			
ERCT25H0501	ERCT25V0501	0.5	82	1500
ERCT25H0500	ERCT25V0500	0.5	100	1500
ERCT25H1001	ERCT25V1001	1.0	33	630
ERCT25H1000	ERCT25V1000	1.0	47	750
ERCT25H1501	ERCT25V1501	1.5	27	490
ERCT25H1500	ERCT25V1500	1.5	22	330
ERCT25H2000	ERCT25V2000	2.0	6.8	139
ERCT25H2001	ERCT25V2001	2.0	10	230
ERCT25H4003	ERCT25V4003	4.0	3.3	68
ERCT25H4001		4.0	3.9	61
	ERCT25V4001	4.0	3.9	80
ERCT25H6000		6.0	1.8	25
	ERCT25V6000	6.0	1.8	38

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	28g

The chokes are designed and tested in accordance with EN 138100 ; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

TOROID COMMON MODE SERIES

Voltage 85-250Vac Current 1 to 10A

TYPES

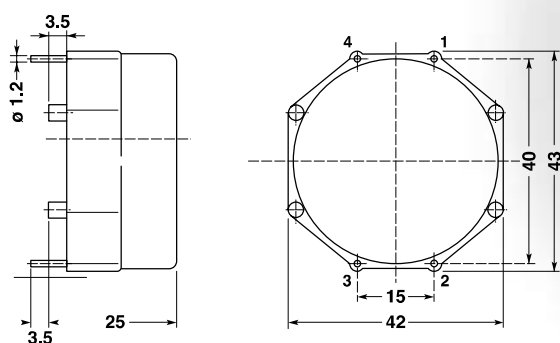
ERCT32H

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Max Dimensions in mm

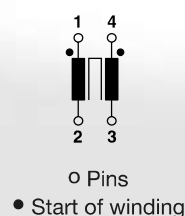
Pins are tinned

Pins distance tolerances ± 0.2 mm



Dimensions in mm
Pins are tinned

ERCT32H
Horizontal mounting



Types

Code	Rated current per winding A	Rated inductance per winding mH	DC resistance per winding (typical) mΩ
ERCT32H1000	1	68	1000
ERCT32H2000	2	18	230
ERCT32H4000	4	6.8	60
ERCT32H6000	6	3.9	38
ERCT32H8000	8	2.7	22
ERCT32HA000	10	1.8	14

Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	63 g

The chokes are designed and tested in accordance with EN 138100 EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

Eletronica Rossoni

Quality Control

Eletronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Eletronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Manpower: 25



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Manpower: 6



Elettronica Rossoni

www.elettronicarossoni.com



Elettronica Rossoni

**INDUSTRIAL
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**AUTOMATION
TECHNOLOGY**

**COMMUNICATION
& ENTERTAINMENT
ELECTRONICS**

COMMON MODE SERIES

**LIGHTING
TECHNOLOGY**



Company Background

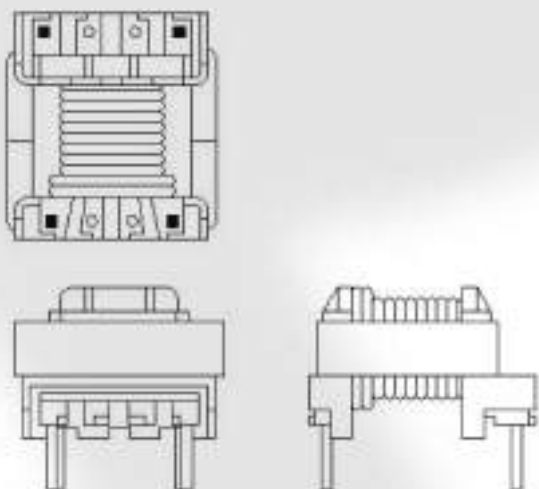
Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

COMMON MODE SERIES

Voltage 85-265Vac Current 0.25 to 0.4A

TYPES

ERCD26 EE0808

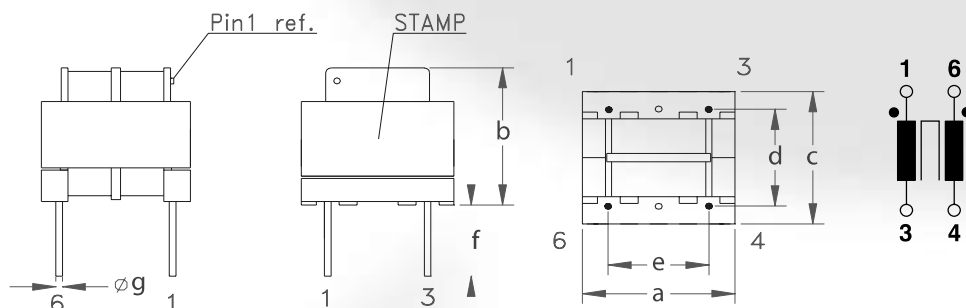
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCD26-02	0.40	4.7		/
ERCD26-01	0.35	7		/
ERCD26-00	0.25	9		ER2416

ERCD26		
a =	10	MAX
b =	8.7	MAX
c =	9	MAX
d =	6.7	±0.2
e =	5.0	±0.2
f =	3	±0.5
g =	0.5	±0.05



Technical Data

Rated current:	referred to 250 V-50 Hz and +60°C ambient temperature
Rated inductance:	at +20°C and 10 kHz, 0.1 mA.
Inductance tolerance:	+50 -30%
Inductance loss:	< 10% at DC initial loading with IR
Testing voltage:	1500 V -50 Hz, 2 sec, winding to winding
Climatic category:	DIN GKC (-40 to +125°C; humidity cat. C)
DC resistance:	at +20°C
Derating operating current:	at +120°C ambient temperature I=0
Overtemperature of windings:	< 55°C
Max. permissible temperature of windings:	115 °C
Approx. weight:	1.5 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-265Vac Current 0.24 to 0.54A

TYPES

ERCD18 EE1313

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

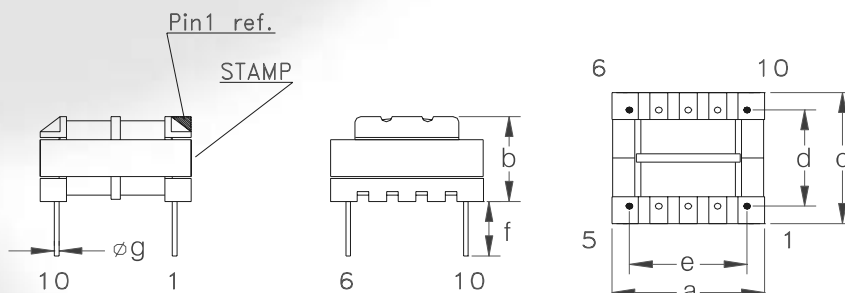
Dimensions in mm

Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCD18-00	0.54	12		
ERCD18-01	0.28	22		
ERCD18-02	0.26	27		
ERCD18-03	0.24	33		

ERCD18	
a =	13.5 MAX
b =	10.5 MAX
c =	14.0 MAX
d =	10.3 ±0,2
e =	10.0 ±0,2
f =	3,5 ±0,5
g =	0,6 ±0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
3.8 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-265Vac Current 0.5 to 0.6A

TYPES

ERCD16 EE1616

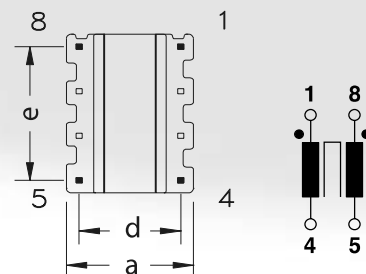
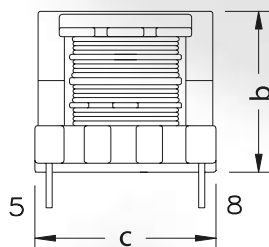
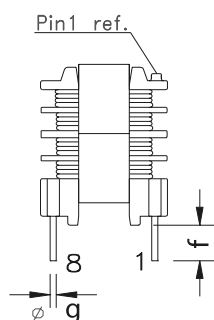
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCD16-00	0,6	15		/
ERCD16-01	0,5	27		ER2754

ERCD24
a = 13.0 MAX
b = 18.5 MAX
c = 18.0 MAX
d = 10.0 ±0,3
e = 15.0 ±0,3
f = 3.0 min
g = 0,6x0,6 ±0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
6 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.3 to 2 A

TYPES

ERCE20H EE2020

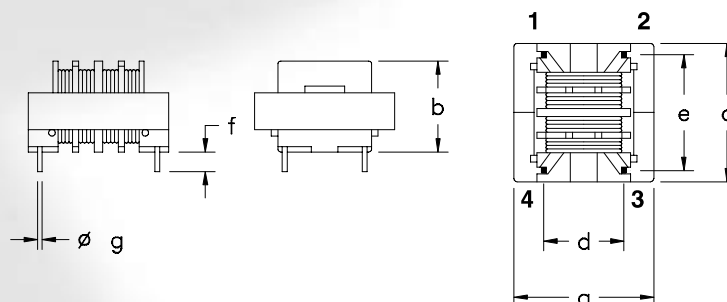
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	[mH] $\pm 10\%$	DCR_{max} [Ω]	Stamp Code
ERCE20H0300	0.3	2 X 56	2 X 2,4	
ERCE20H0301	0.35	2 x 47	2 x 1,9	
ERCE20H0400	0.45	2 x 39	2 x 1,5	
ERCE20H0500	0.52	2 x 27	2 x 1,1	
ERCE20H0600	0.62	2 x 10	2 x 0,78	
ERCE20H2000	2	2 x 1,8	2 x 0,45	

ERCE20H	
a =	21,0 MAX
b =	14,0 MAX
c =	21,0 MAX
d =	12,0 $\pm 0,3$
e = $\pm$	18,0 0,3
f = m	3,0 in
g = $\pm$	1,0 0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
11.8 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.32 to 1 A

TYPES

ERCE20V EE2020

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

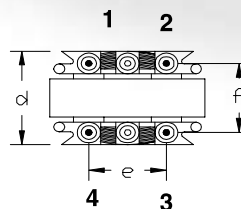
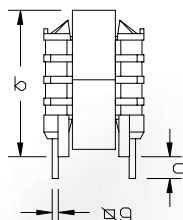
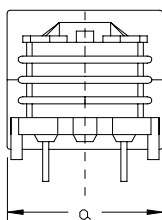
Dimensions in mm

Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCE20V0300	0.32	2 X 56	2.4	
ERCE20V0301	0.35	2 x 47	1.9	
ERCE20V0400	0.45	2 x 39	1.5	
ERCE20V0500	0.52	2 x 27	1.1	
ERCE20V0600	0.62	2 x 10	0.78	
ERCE20V1000	1	2 x 1,8	0.45	

ERCE20V	
a =	20.5 MAX
b =	20.5 MAX
c =	3.5 MAX
d =	13.5 ±0,2
e =	18,0 ±0,3
f =	9.5 min
g =	0.8 ±0,5



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
15.5 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-265Vac Current 0.15 to 0.25A

TYPES

ERCD24 EE2020

These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm

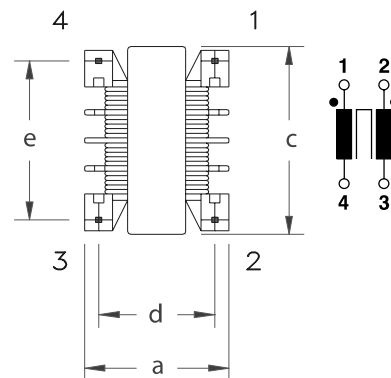
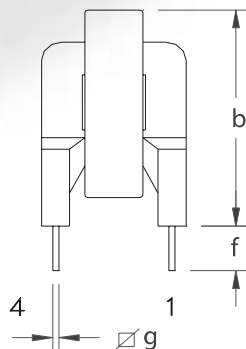
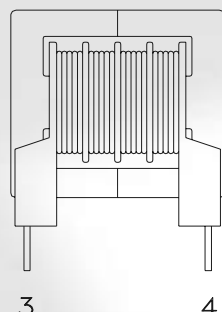
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCD24-00	0.15	5		/
ERCD24-01	0.8	22		/
ERCD24-02	0.25	100		ER1875-02

ERCD24?

a	=	14.3	MAX
b	=	15.3	MAX
c	=	16.3	MAX
d	=	17.3	±0,3
e	=	18.3	±0,3
f	=	19.3	MIN
	=	20.3	±0,05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
14 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.25 to 2 A

TYPES

ERCU08V UU08

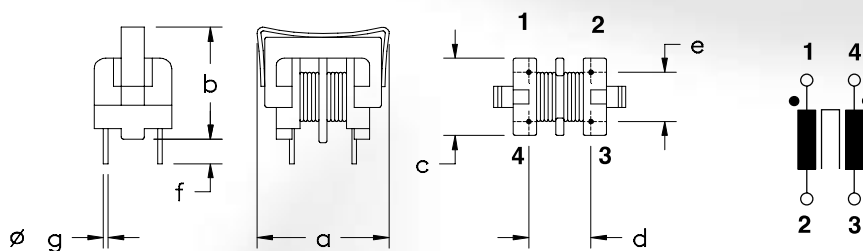
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCU08V0200	0,25	2 X 47	2	
ERCU08V0300	0,32	2 x 39	1,7	
ERCU08V0301	0,35	2 x 28	0,96	
ERCU08V0400	0,42	2 x 18	0,74	
ERCU08V0500	0,55	2 x 10	0,39	
ERCU08V2000	2	2 x 1,81	0,07	

ERCV08V	
a =	11.0 MAX
b =	16.5 MAX
c =	16.5 MAX
d =	7.0 ±0,3
e =	8.0 ±0,3
f =	3.5 min
g =	0.6 ±0,1



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
3.8 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.35 -1.2A

TYPES

ERCU10V UU10

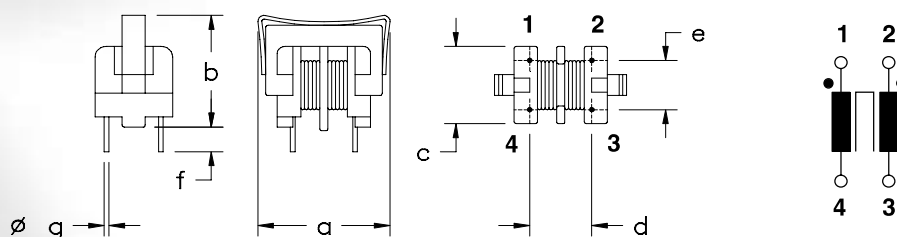
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR _{max} [Ω]	Stamp Code
ERCU10V0300	0.35	2 X 47	3.8	
ERCU10V0400	0.4	2 x 39	2.7	
ERCU10V0500	0.5	2 x 28	1.8	
ERCU10V0600	0.6	2 x 18	1.4	
ERCU10V0800	0.8	2 x 10	0.64	
ERCU10V1200	1.2	2 x 1.8	0.1	

ERCU10V	
a =	17.5 MAX
b =	17.5 MAX
c =	11.0 MAX
d =	8.0 ±0,5
e =	7.0 ±0,5
f =	4.0 ±1.0
g =	0.6 ±0.05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
4.5 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.65 -2.1A

TYPES

ERCU15V UU15

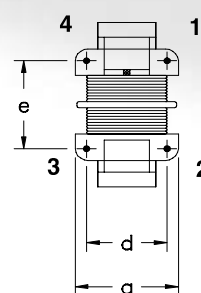
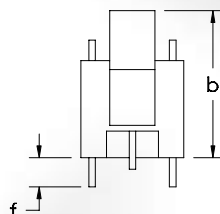
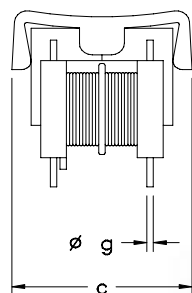
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	I_{max} [A]	Inductance [mH]	DCR_{max} [Ω]	Stamp Code
ERCU15V0600	0.65	2 X 47	1.3	
ERCU15V0700	0.72	2 x 39	1	
ERCU15V0800	0.8	2 x 28	0.9	
ERCU15V1000	1.02	2 x 18	0.48	
ERCU15V1001	1.05	2 x 10	0.25	
ERCU15V2000	2.1	2 x 1.8	0.04	

ERCU15V	
a =	17.0 MAX
b =	25.0 MAX
c =	28.0 MAX
d =	12.5 ±0.1
e =	15.0 ±0.1
f =	5.0 ±0.2
g =	1.0 ±0.05



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
10 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

COMMON MODE SERIES

Voltage 85-250Vac Current 0.95 -3.3A

TYPES

ERCU21V UU21

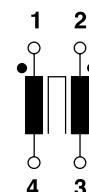
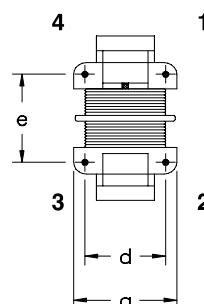
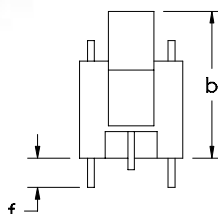
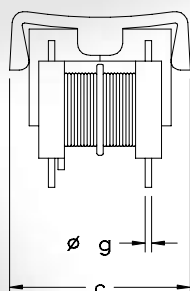
These chokes are fitted with high-permeability toroid core (ferrite). They are mainly used in devices equipped with switched-mode power supplies, and in filters designed to prevent both the spread of parasitic noise within the device, and the effects of line noise on the device itself.

Dimensions in mm
Pins are tinned

Types

Code	$I_{\max}$ [A]	Inductance [mH]	$DCR_{\max}$ [Ω]	Stamp Code
ERCU21V0900	0.95	2 X 47	4.6	
ERCU21V1000	1.13	2 x 39	3.7	
ERCU21V1001	1.32	2 x 28	2.76	
ERCU21V1002	1.62	2 x 18	1.92	
ERCU21V1003	1.85	2 x 10	0.89	
ERCU21V3000	3.3	2 x 1.8	0.15	

ERCU21V	
a =	18.6 ±0.6
b =	31.6 +0.0-1.0
c =	36 MAX
d =	16.0 ±0.6-0.0
e =	20.9 ±1.2-0.0
f =	4.5 Ref
g =	



Technical Data

Rated current:
Rated inductance:
Inductance tolerance:
Inductance loss:
Testing voltage:
Climatic category:
DC resistance:
Derating operating current:
Overtemperature of windings:
Max. permissible temperature of windings:
Approx. weight:

referred to 250 V-50 Hz and +60°C ambient temperature
at +20°C and 10 kHz, 0.1 mA.
+50 -30%
< 10% at DC initial loading with IR
1500 V -50 Hz, 2 sec, winding to winding
DIN GKC (-40 to +125°C; humidity cat. C)
at +20°C
at +120°C ambient temperature I=0
< 55°C
115 °C
21 g



The chokes are designed and tested in accordance with EN 138100; EN 60938-1. The cases are of flame-retardant plastic material in accordance with UL 94V-0.

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Manpower: 6



Elettronica Rossoni

www.elettronicarossoni.com



Electronica Rossoni

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**AUTOMATION
TECHNOLOGY**

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& ENTERTAINMENT
ELECTRONICS**

TRANSFORMER MODULE AC / DC CONVERTER SERIES

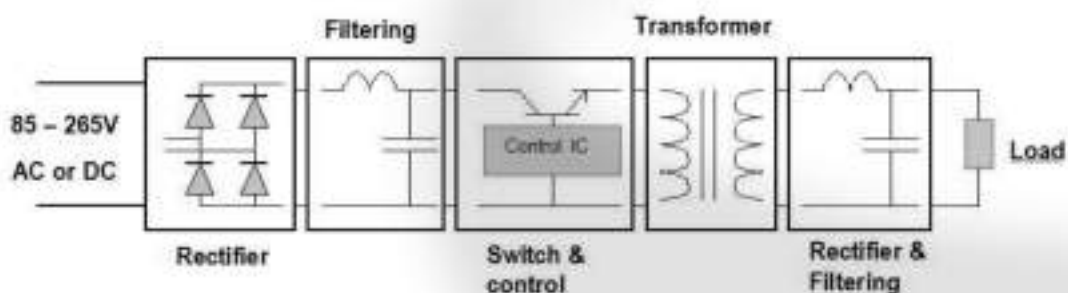
**LIGHTING
TECHNOLOGY**



AC / DC CONVERTER SERIES

ELETRONICA ROSSONI TRANSFORMER MODULE are Switched Mode Power Supplies based on Flyback topology. They constitute an interesting alternative to the traditional supply in the most common applications of power lower than 15W.

ENERGY SAVING due to high efficiency and low standby power





With the same footprint as TRADITIONAL TECHNOLOGY transformers, they will replace:

- 50 Hz Transformer
 - Fuse
 - Bridge Rectifier
 - Filtering Capacitor
- Regulated types will also replace linear regulator and heatsink

APPLICATIONS

- o Alternative to the linear transformers in all AC/DC applications of power up to 15W
- o Alternative to DC/DC converters for application in D.C.current (Telecom supplies, electric substations etc.)
- o Industrial, domestic and consumer electronics applications
- o Standby devices and others DC or AC auxiliary supplies

MAIN FEATURES

- o Wide input voltage range
- o Increased power: 3 x compared to standard transformer
- o Better energetic efficiency: 70% typical compared to 40% for the conventional supply
- o Very low Standby Power consumption: meets requirements of Energy Star or EC Code of Conduct
- o Same footprint as EI30 transformer : Upgrade your application without redesign of PCB

SAFETY STANDARDS

Meets all requirements of:

- o EN 60950
- o EN 60335
- o EN 61558-2-17
- o Uses UL listed components
- o Uses UL 94-V0 plastic and resin

EMC STANDARDS

Conducted and radiated emissions conform to

- o EN 55014-1
 - o EN 55022 class B
- Immunity conform to
- o EN 55014-2
 - o EN 61000-4-x

ONE OUTPUT 4W Regulated

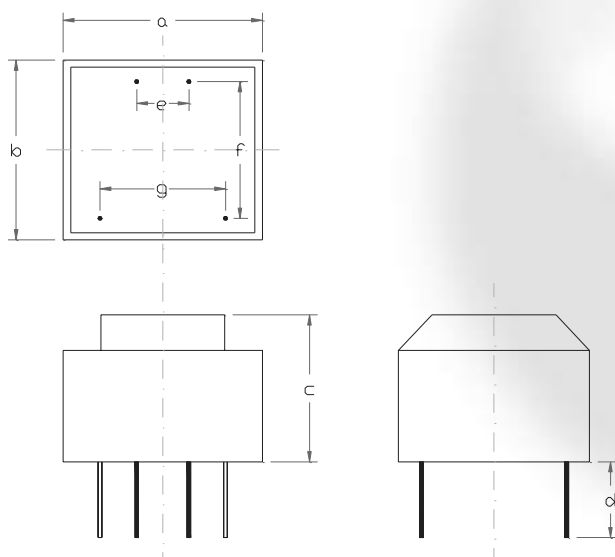
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0405-00	5V	800mA	4W	75	70
ETRS0409-00	9V	440mA	4W	75	70
ETRS0412-00	12V	330mA	4W	75	70
ETRS0415-00	15V	300mA	4W	75	70
ETRS0424-00	24V	230mA	4W	75	70



Misure Measures	Tolleranze Tolerances
a = 38	MAX
b = 36	MAX
c = 29,5	MAX
d = 10	MIN
e = 15	MAX
f = 27,5	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 4W Regulated SPECIAL PINS LAYOUT

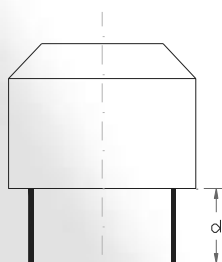
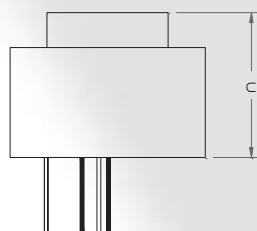
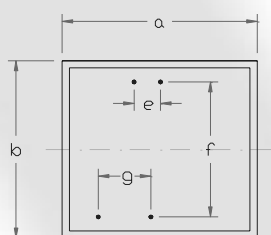
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0405-10	5V	800mA	4W	75	70
ETRS0409-10	9V	440mA	4W	75	70
ETRS0412-10	12V	330mA	4W	75	70
ETRS0415-10	15V	300mA	4W	75	70
ETRS0424-10	24V	170mA	4W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 38	MAX
b = 36	MAX
c = 29.5	MAX
d = 10	MIN
e = 5	MAX
f = 27.5	MAX
g = 1 0	MAX
Dimensioni / Unit: mm	

ONE OUTPUT 5W Regulated

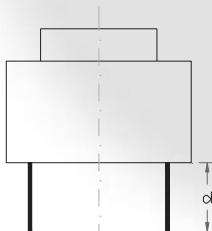
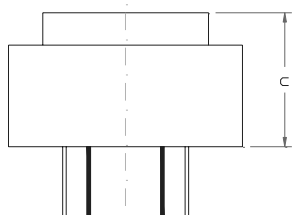
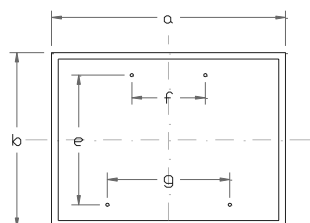
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0505-00	5V	1000mA	5W	75	70
ETRS0509-00	9V	550mA	5W	75	70
ETRS0512-00	12V	420mA	5W	75	70
ETRS0513-00	13V	390mA	5W	75	70
ETRS0515-00	15V	350mA	5W	75	70
ETRS0524-00	24V	210mA	5W	75	70



Misure Measures	Tolleranze Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 5W Regulated SMART SERIES

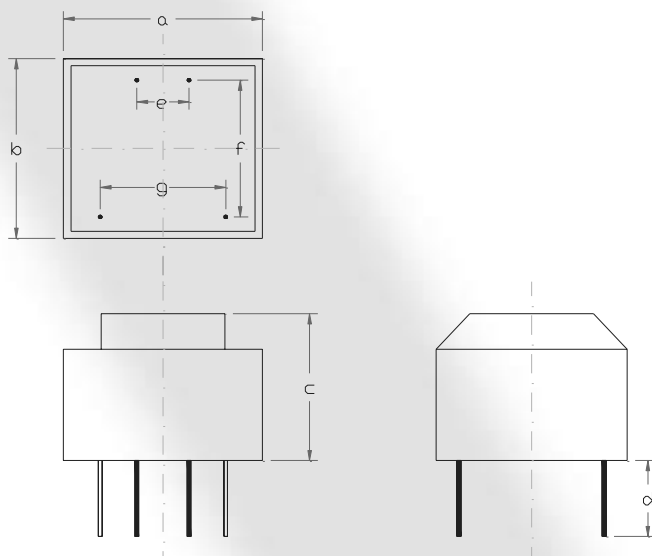
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0512-10	12V	420mA	5W	75	70
ETRS0513-10	13V	390mA	5W	75	70
ETRS0515-10	15V	350mA	5W	75	70
ETRS0524-10	24V	210mA	5W	75	70



Misure Measures	Tolleranze Tolerances
a = 38	MAX
b = 36	MAX
c = 29.5	MAX
d = 10	MIN
e = 15	MAX
f = 27.5	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 9W Regulated

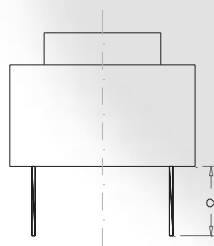
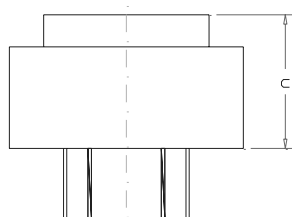
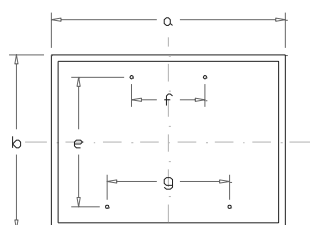
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0909-00	9V	1000mA	9W	75	70
ETRS0912-00	12V	695mA	9W	75	70
ETRS0915-00	15V	600mA	9W	75	70
ETRS0924-00	24V	375mA	9W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 9W Regulated SMART SERIES

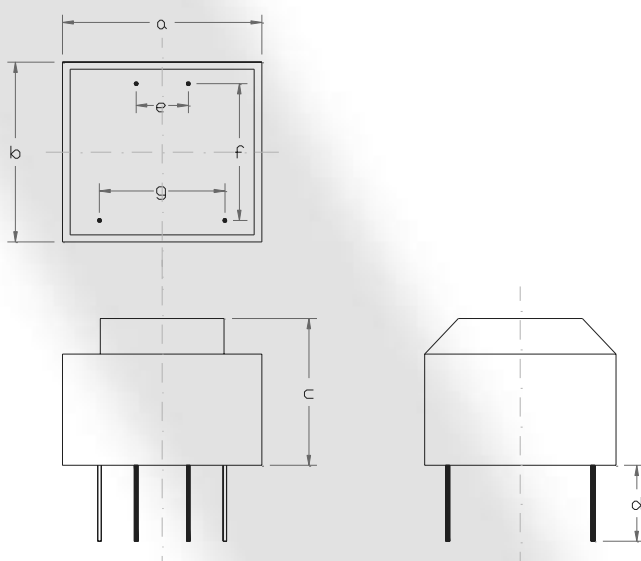
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS0912-10	12V	695mA	9W	75	70
ETRS0915-10	15V	600mA	9W	75	70
ETRS0924-10	24V	375mA	9W	75	70



Misure Measures	Tolleranze Tolerances
a = 38	MAX
b = 36	MAX
c = 29.5	MAX
d = 10	MIN
e = 15	MAX
f = 27.5	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

ONE OUTPUT 10W Regulated

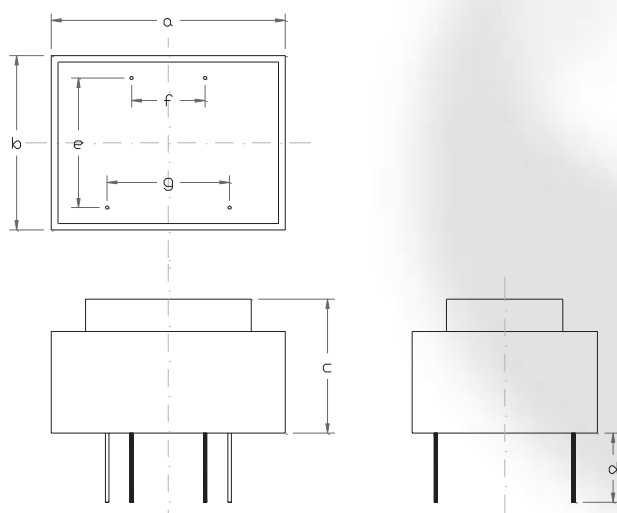
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS1009-00	9V	1120mA	10W	75	70
ETRS0912-00	12V	850mA	10W	75	70
ETRS0915-00	15V	670mA	10W	75	70
ETRS0924-00	24V	420mA	10W	75	70



Misure Measures	Tolleranze Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
	
Dimensioni / Unit: mm	

TRANSFORMER MODULE

ONE OUTPUT 15W Regulated

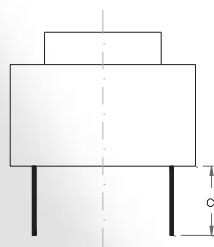
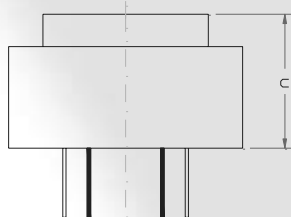
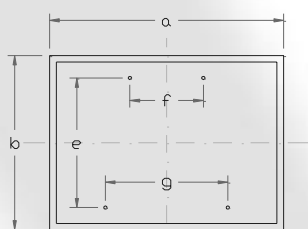
ELECTRICAL SPECIFICATIONS

- o Input voltage range
 - 85 to 265 Volts AC
 - 85 to 370 Volts DC
- o Input Frequency 47 to 440 Hz
- o Output voltage accuracy (full load) $\pm 2\%$
- o Line output voltage variation $\pm 0.3\%$
- o Load output voltage variation $\pm 0.5\%$
- o No load input power $< 200\text{mW}$
- o Energy consumption and efficiency :
 - Meets requirements of Energy Star and
 - EC Code of Conduct

SAFETY

- o Prepared for Class II – reinforced insulation
- o Input / Output Isolation test voltage: 4000 Vac
- o Operating ambient temperature:
 - 25°C / + Ta (See table)
- o Storage temperature: - 40°C / + 85°C
- o Input protection by integrated fuse
- o Output short circuit protection: automatic restarts when fault condition is removed
- o Thermal shutdown with automatic recovery if internal temperature exceeds allowable value

ITEM CODE	OUTPUT VOLTAGE	OUTPUT CURRENT	OUTPUT POWER	EFFICIENCY	Ta
	DC Volts	DC mA	W	%	°C
ETRS1512-00	12V	1250mA	15W	75	70
ETRS1515-00	15V	1000mA	15W	75	70
ETRS1524-00	24V	625mA	15W	75	70



Misure	Tolleranze
Measures	Tolerances
a = 46	MAX
b = 37	MAX
c = 29.5	MAX
d = 10	MIN
e = 27.5	MAX
f = 15	MAX
g = 25	MAX
Dimensioni / Unit: mm	

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l. has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;
Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;
Expand our productive capacity in China to enhance our market competitiveness;
Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

Contact us



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Elettronica Rossoni

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Electronica Rossoni

INDUSTRIAL
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DC
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TECHNOLOGY

AUTOMOTIVE

STAMPING METAL PART

LIGHTING
TECHNOLOGY



STAMPING METAL PART

Connector Series

CN01



Connector terminal

CN02



Connector female/male terminal

CN03



Connector Header Pin

CN04



Connector Header Pin

Dimensions in mm

Code	Material	Length	Width	Height
CN01	Brass (T=0.3mm)	7.5±0.1mm	3.5±0.05mm	2.2±0.05mm
CN02	Brass (T=0.3mm) OEM PRODUCT			
CN03	Brass (T=0.3mm) OEM PRODUCT			
CN04	Brass (T=0.3mm) OEM PRODUCT			

Brush Series

CR095



Brushed Assembled Components

F088



Brushed Assembled Components

FK130



Brushed Assembled Components

110



Brushed Assembled Components

FA130



Brushed Assembled Components

360



Brushed Assembled Components

5XX



Brushed Assembled Components

7712



Brushed Assembled Components

Dimensions in mm

Code	Material	Total Length	Front Width	Angle		Slot Width
				1	2	
CR095	Beryllium Copper T=0.08mm + Brass T=0.5	8.3±0.1mm	6.9±0.05mm	73±2°	154°	1.1mm
F088	Beryllium Copper T=0.09mm + Brass T=0.5	14.1±0.1mm	4.3±0.05mm	73±2°	172±2°	1.1mm
FK130	Beryllium Copper T=0.08mm + Brass T=0.5	10.7±0.1mm	2.5±0.05mm	73±2°	190±2°	0.6±0.1mm
110	Beryllium Copper T=0.08mm + Brass T=0.5	8.5±0.1mm	2.5±0.05mm	73±2°	172±2°	0.6±0.1mm
FA130	Beryllium Copper T=0.1mm + Brass T=0.2mm	9.5±0.1mm	2.5±0.1mm	103±2°	140°±2°	0.65mm
360	Beryllium Copper T=0.1mm + Brass T=0.4mm	8.4±0.1mm	14.2±0.1mm	69±2°	183±2°	0.65mm
5XX	Beryllium Copper T=0.1mm + Brass T=0.4mm	8.4±0.1mm	14.2±0.1mm	69±2°	183±2°	0.65mm
7712	Beryllium Copper T=0.12mm + Brass T=0.6mm	—	22.8±0.1mm	78±2°	183±2°	2mm

STAMPING METAL PART

Terminal Series

7724C



Terminal

0202-7912



Terminal

CR097



Terminal

SA23-U076-0.26



Terminal Spring

140



Terminal

FM40003-C42



Terminal

Dimensions in mm

Code	Material	Total Length	Front Width	Back Width	Slot Width
7724C	Brass T=0.5	17.95±0.1mm	4.8±0.05mm	6.8±0.1mm	0.45mm
CR097	Brass T=0.5	8.2±0.1mm	2.5±0.05mm	4.2±0.1mm	
140	Beryllium Copper T=0.12mm	6.5±0.1mm	2.5±0.05mm		
0202-7912	Brass T=0.5mm	20.1±0.1mm 18.8±0.1mm 9.0±0.1mm	6.2±0.1mm 5.7±0.1mm 2.9±0.1mm	6.35±0.1mm 10.0±0.1mm 9.0±0.1mm	
SA23-U076-0.26	Phosphor Bronze T=0.4mm	20.0±0.1mm	4.4±0.5mm	5.8±0.1mm	
FM40003-C42	Brass T=0.5mm	29±0.1mm	3.0±0.1mm	11.5±0.1mm	

Retainer Series

Retainer 5.5



Retainer Components

903-CF



Retainer Components

Retainer 5.8



Retainer Components

7XX



Retainer Components

Dimensions in mm

Code	Material	Outer Diameter	Height
Retainer 5.5	Stainless Steel T=0.01mm	Ø5.5±0.1mm	4.8±0.05mm
Retainer 5.8	Stainless Steel T=0.10mm	Ø6.8±0.1mm	6.6±0.05mm
903-CF	Stainless Steel T=0.30mm	Ø18.5±0.1mm	1.6±0.05mm
7XX	Stainless Steel T=0.30mm	Ø22±0.1mm	2.4±0.05mm

STAMPING METAL PART

Carbon Brush Holder Series

JH-7724



Carbon Brush Holder

480A/B



Carbon Brush Holder

JH-SLB-054-002



Carbon Brush Holder

5521



Carbon Brush Holder

LH-308



Carbon Brush Holder

JH



Carbon Brush Holder

Dimensions in mm

Code	Material	Length	Width	Height
480A/B	Brass T=0.5mm	22.3±0.1mm	8.2±0.05mm	4.2±0.05mm
5521	Brass T=0.4mm	11.2±0.1mm	9.2±0.05mm	3.0±0.05mm
JH	Brass T=0.4mm	16.0±0.1mm	6.4±0.05mm	5.4±0.05mm
LH-308	Brass T=0.4mm	16.5±0.1mm	7.5±0.05mm	5.2±0.05mm
JH-7724	Brass T=0.5mm	22.3±0.1mm	10.2±0.05mm	7.5±0.5mm
JH-SLB-054-002	Brass T=0.4mm	10.5±0.1mm	5.8±0.05mm	4.45±0.5mm

Bush Retainer Series

7XX-JH



Bush Retainer

9XX



Bush Retainer

5.1X9



Curve Washer

CF-9121



Bush Retainer

Dimensions in mm

Code	Material	Outer Diameter	Internal Diameter	Height
7XX-JH	Phosphor Bronze T=0.20mm	Ø22.4mm		1.0±0.5mm
5.1X9	Brass T=0.5mm	Ø9.0±0.1mm	5.0±0.05mm	1.0±0.5mm
9XX	Phosphor Bronze T=0.4mm	Ø18.5±0.1mm	1.6±0.05mm	
CF-9121	Brass T=0.3mm	Ø27±0.1mm	1.5±0.05mm	

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Elettronica Rossoni

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Company Background

Company Background

Elettronica Rossoni, established in 1988, has got excellent results in the field of wound components mainly utilized inside Lighting, Automotive, CCTV, Monitors, Power Supply, Battery Charger, Audio and Video Door Entry Systems and Household Appliances.

Activities growth together with propulsive push of new ideas and market requirements, have led to an increase of process automation by acquisition of sophisticated production lines, thus permitting to successfully enter the automotive components market with its needs of high reliability joined to very strict fault margins, typical of a sector characterized by very high production volumes and extremely low error tolerances.

In order to assure such a high reliability and quality standards the Company has introduced a Quality Assurance System which has been certified by CSICERT Homologation Institute according to Standard UNI EN ISO 9001:2000, and is continuously monitoring and improving it.

Elettronica Rossoni Group with its facilities occupy an area of around 5000 sqm over a total property of 10000 sqm employing a manpower of 255.



CUSTOMIZED SAMPLES PERFORMED WITHIN 6 WORKING DAYS

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P7 ~ P10

EMI
RPS TYPE



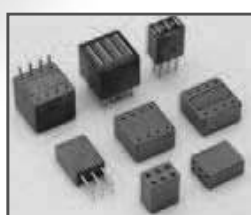
P32 ~ P34

EMI / INDUCTOR
TOROIDAL CORES
T TYPE



P11 ~ P21

EMI
RP TYPE



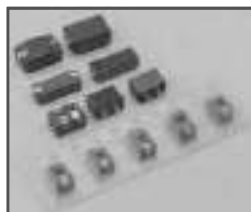
P35 ~ P36

EMI
S□H TYPE



P22 ~ P25

EMI
CTRC, CTNF
TYPE



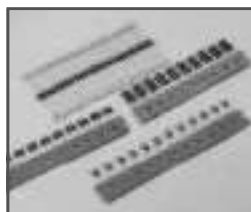
P37 ~ P38

EMI
SM BEAD
SMB TYPE



P26

EMI
SUPPRESSION
CORES



P39 ~ P46

EMI
BEADS
FBS / FBD
FBR TYPE



P27 ~ P31

EMI
SLEEVE CORES
RH TYPE



P47 ~ P48

EMI
FERRITE - TILE

Terms and Definitions

**The other specification can be designed & produced also.*

EMI (Electromagnetic Interference)

A useful definition of EMI noise is any significant signal energy that causes unintended, undesirable circuit function or inadequate EMC performance.

AC Initial Permeability (μ_{iac}):

This is the limit value of magnetic core permeability at the origin of the virgin magnetization curve. It's given by the following formula:

$$\mu_{iac} = \frac{1}{\mu_0} \lim_{H \rightarrow 0} \frac{B}{H}$$

μ_0 : permeability of vacuum
 B : Magnetic flux density (gauss)
 H : Strength of magnetic field

$$\mu_{iac} = \frac{L(\mu H) \times (OD+ID) \times 10^4}{4N^2 t(OD-ID)}$$

Inductance (L):

The magnetic flux linkages in Maxwells-turns per ampere of magnetizing current.

$$L = N \frac{d\phi}{di}$$

OD : Outside Dia.

ID : Inside Dia.

t : Height

Unit : mm

Inductance Factor (A_L):

Inductance factor is defined as the self inductance per unit turn of a coil of a given shape and dimension wound on a magnetic core, and is determined by the following formula:

$$A_L = \frac{L}{N^2} \text{ (nH/turn}^2\text{)} \quad \text{or} \quad A_L = \frac{\mu_i \times 4 \times t \times (OD-ID)}{(OD+ID) \times 10}$$

Curie Temperature (T_c):

Temperature at which a ferromagnetic material loses its ferromagnetism and becomes paramagnetic (μ approaches 1)

Relative Temperature Coefficient of Initial permeability ($\alpha_{\mu r}$):

This is the value obtained by dividing the temperature coefficient of the initial permeability (α_{μ}) by the initial permeability.

$$\alpha_{\mu r} = \frac{\mu_2 - \mu_1}{\mu_1^2} \cdot \frac{1}{T_2 - T_1} \quad (T_2 > T_1) \quad \alpha_{\mu r} = \frac{\mu_2 - \mu_1}{\mu_1^2} \cdot \frac{1}{T_2 - T_1} \quad (T_2 > T_1)$$

μ_1 : Initial permeability at T_1
 μ_2 : Initial permeability at T_2

Specific Gravity (d)

It's calculated from its volume and weight, as shown below:

$$d = \frac{W}{V}$$

W : Weight of the magnetic core (g)
 V : Volume of the magnetic core (cm³)

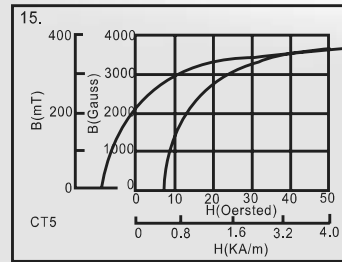
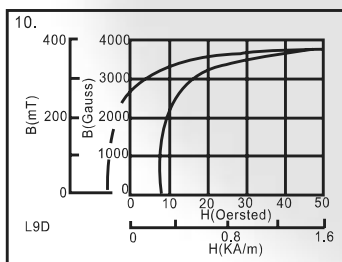
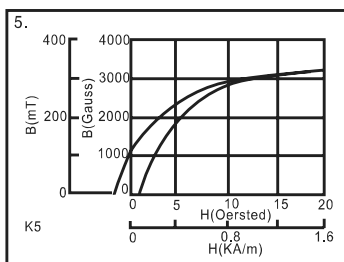
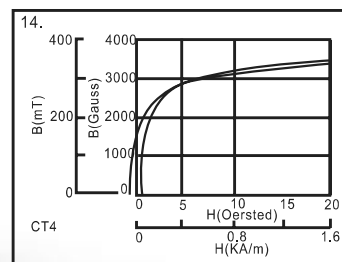
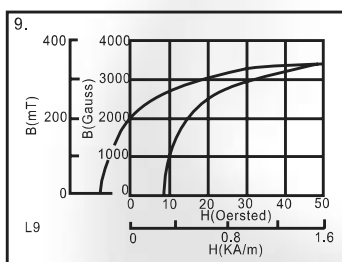
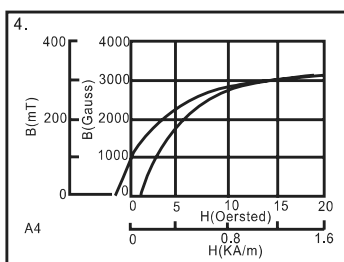
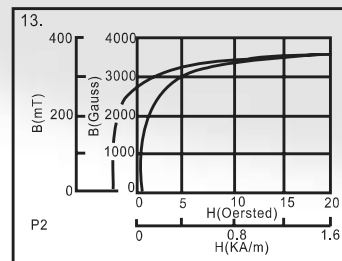
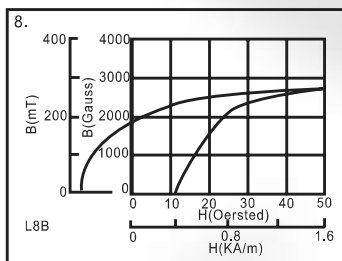
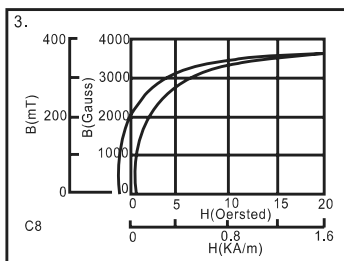
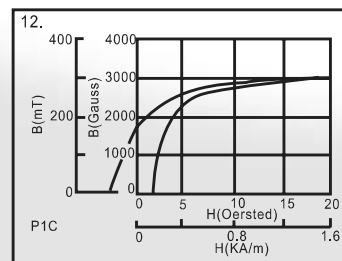
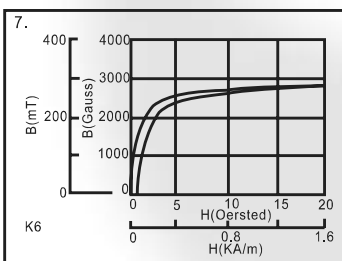
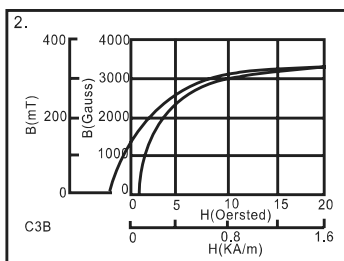
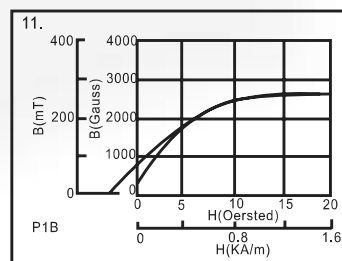
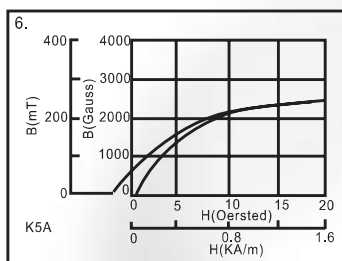
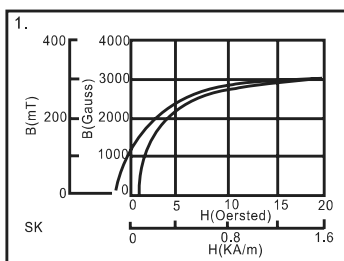
Soft Ferrite Materials

• Characteristics of materials

	Property	Applied Frequency Range	AC Initial Permeability	Curie Temperature	Specific Gravity	Relative Loss Factor	Relative Temp Coeff of initial Permeability
	Unit	MHz	±25%	°C	g/cm ³	x10 ⁻⁶ (MHz)	x10 ⁻⁶ /°C 20-70°C
NO	Symbol		μiac	Tc	d		α μi γ
1	SK	0.3-7	200	180	4.8	<705 7	15-35
2	SC	0.1-2	550	125	4.6	<90 2	8.0-35
3	C3B	0.1-2	300	150	4.9	<65 2	10-30
4	C8	0.3-7	200	250	4.7	<350 7	19-32
5	CT4	0.1-2	400	200	4.9	<80 2	10-30
6	CT5	0.1-1.5	400	150	4.8	<150 1.5	3-9
7	A4	0.1-1.5	400	190	4.5	<150 1.5	1-5
8	K5	0.1-1	1000	130	4.8	<280 1	2-5
9	K5A	0.1-1	700	140	4.8	<250 1	0-70
10	K6	0.01-0.5	1500	100	4.7	<75 0.5	0-3
11	L8B	0.5-20	55	300	4.5	<100 20	5.5-15
12	L9	0.5-30	50	300	4.8	<280 30	25-65
13	L9D	1.0-50	55	300	4.8	<600 50	30-80
14	P1B	0.1-2	550	125	4.6	<90 2	8-35
15	P1C	0.1-2	250	200	4.7	<110 2	3-10
16	P2	0.1-5	200	150	4.6	<100 5	25-65
17	P2D	0.1-3	300	150	4.5	<60 3	10-30
18	P2M	0.1-4	225	150	4.6	<90 4	10-40
19	P3	0.4-20	100	300	4.4	<160 20	55-130

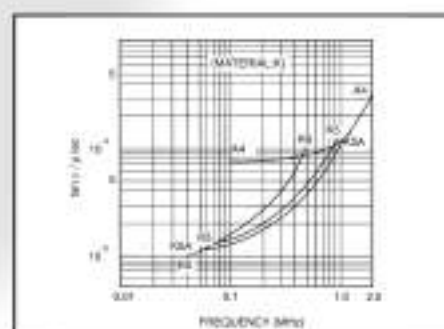
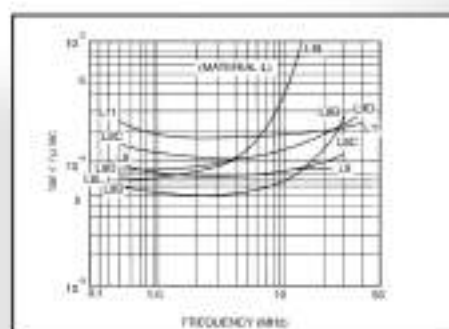
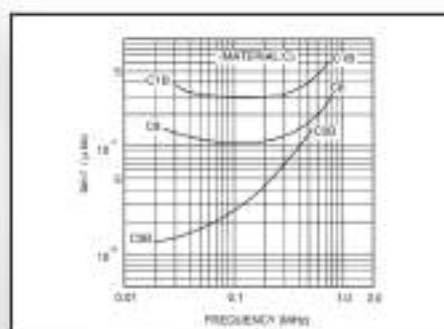
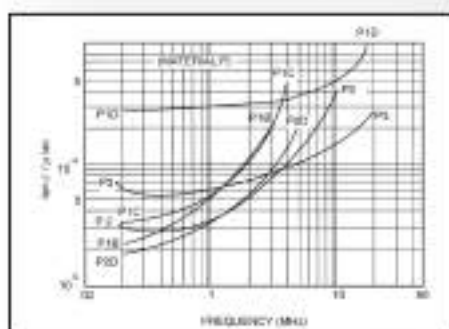
Static magnetization curves

**The other specification can be designed & produced also.*

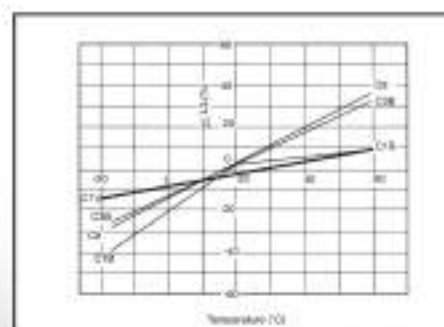
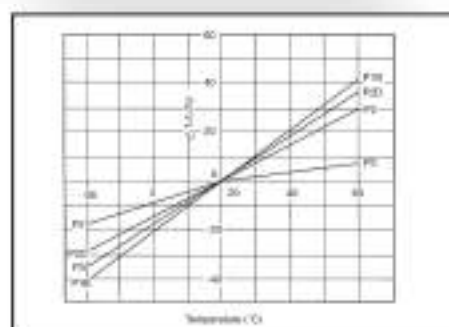
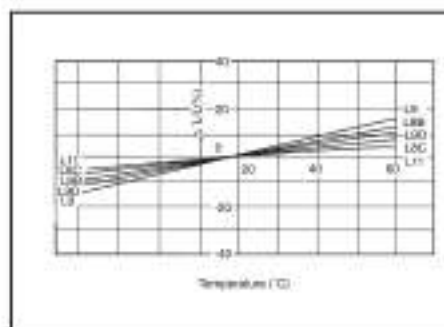
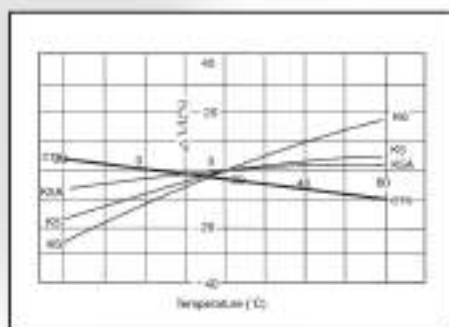


Relative loss factor Vs frequency

**The other specification can be designed & produced also.*



Inductance change Vs temperature



EMI Suppressor Clip Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



● Ordering Code

K5A	RPS	63.5	X	6.35	X	28.5	N1
(1)	(2)	(3)		(4)		(5)	(6)
(1) Material				(6) CLIP:N1 - Nylon			Clamp
(2) Type Code				N2 - Nylon			Clamp
(3) A : Dia				N3 - Nylon			Clamp
(4) B : Dia				M1 - Metal			Clamp
(5) D : Dia				M2 - Wire			Clamp

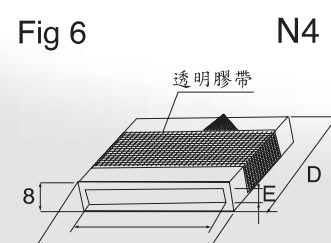
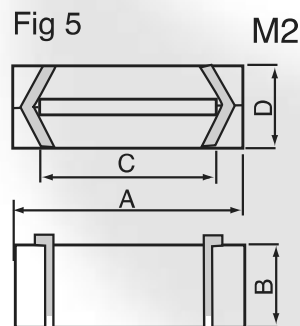
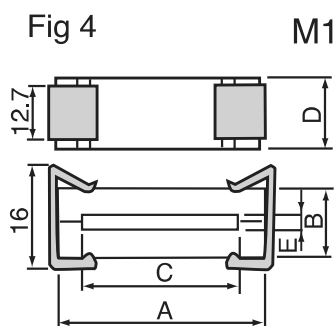
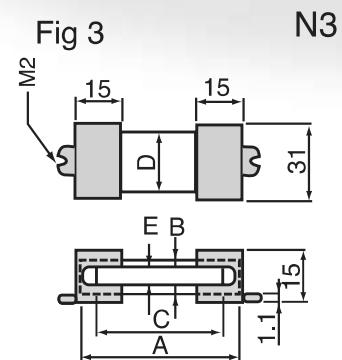
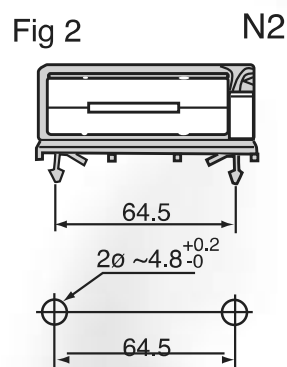
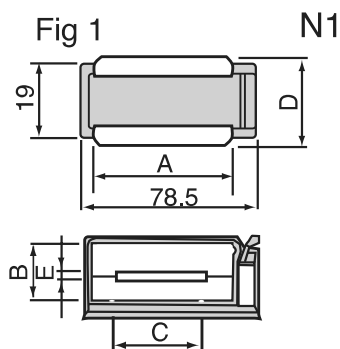
Split ferrite cores for ribbon cables

Elettronica Rossoni offers a selection of "split" components for postassembly operations and retrofit. It could provide excellent differential and common mode EMI suppression on flat cable assemblies.

Features: Precision formed smooth surfaces prevent damage to wire insulation.

Applications: Cables between pc boards and data connectors, floppy disk and hard disk ribbon cables, printer cables, retrofit, auxiliary EMI attenuation, internal ribbon cables with series digital signal busses.

● Shapes



EMI Suppressor Clip Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*

● Dimensions (Core Size) & Characteristics

Unit: mm

NO	ITEM	Fig	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
1	RPS 16X5X8 N4	6	16±0.3	5.0±0.3	11.5±0.3	8.0±0.2	0.5 ^{+0.6} _{-0.1}	25	80	1
2	RPS 16X5X12 N4	6	16±0.3	5.0±0.3	11.5±0.3	12.0±0.3	0.5 ^{+0.6} _{-0.1}	25	80	2
3	RPS 17X2.5X15 N4	6	17±0.2	2.5±0.2	13.0±0.15	15.0±0.2	0.4±0.1	20	55	3
4	RPS 25X5X10 N4	6	25±0.5	5.0±0.3	21.0±0.5	10.0±0.4	1.1±0.2	20	50	4
5	RPS 28.5X6.5X18 N4	6	28.5±0.6	6.5±0.4	23.5±0.5	18.0±0.6	1.0±0.3	35	95	5
6	RPS 33.5X6.5X12 N4	6	33.5±0.9	6.5±0.5	27.0±0.6	12.0±0.5	1.4±0.4	25	65	6
7	RPS 38X12.7X15M2	5	38±1	12.7±0.5	26.6±0.7	15.0±0.4	1.6±0.4	40	115	7
8	RPS 38X12.7X25.4M1	4	38±1	12.7±0.5	26.6±0.7	25.4±0.7	1.6±0.4	75	140	8
9	RPS 40X6.5X12 N4	6	40.0±1.0	6.5±0.5	35.0±0.7	12.0±0.5	1.4±0.4	25	72	9
10	RPS 45X12.7X15M2	5	45±1	12.7±0.5	34.4±0.7	15±0.4	1.6±0.4	40	90	10
11	RPS 45X12.7X28.5M1	4	45±1	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140	11
12	RPS 45X12.7X28.5N3	3	45±1	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140	12
13	RPS 49.6X6.5X12 N4	6	49.6±1.0	6.5±0.5	44.0±0.8	12.0±0.5	1.4±0.4	28	75	13
14	RPS 55.1X12.7X15M2	5	55.1±1	12.7±0.5	43.7±1	15±0.4	1.6±0.4	40	105	14
15	RPS 55.1X12.7X28.5M1	4	55.1±1	12.7±0.5	43.7±1	28.5±0.7	1.6±0.4	65	140	15
16	RPS 55.1X12.7X28.5N3	3	55.1±1	12.7±0.5	43.7±1	28.5±0.7	1.6±0.4	65	140	16
17	RPS 63.5X12.7X15M2	5	63.5±1.2	12.7±0.5	52±1	15±0.4	1.6±0.4	40	95	17
18	RPS 63.5X12.7X28.5M1	4	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	18
19	RPS63.5X12.7X28.5N1	1	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	19
20	RPS 63.5X12.7X28.5N2	2	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	20
21	RPS 63.5X12.7X28.5N3	3	63.5±1.2	12.7±0.5	52±1	28.5±0.7	1.6±0.4	60	150	21

EMI Suppressor Clip Ferrite Cores (for Flat Cable)

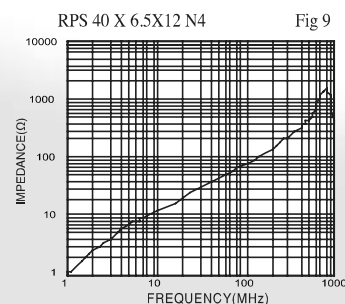
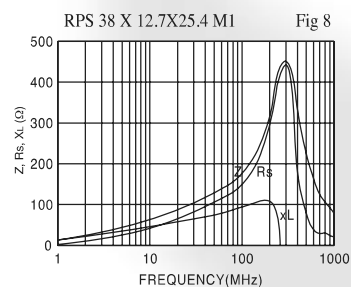
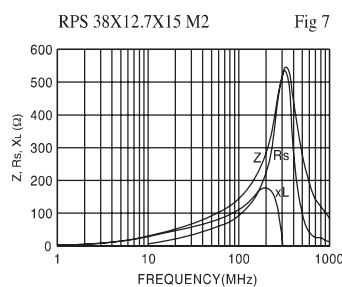
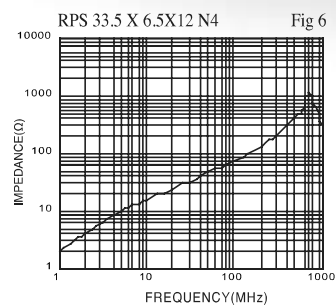
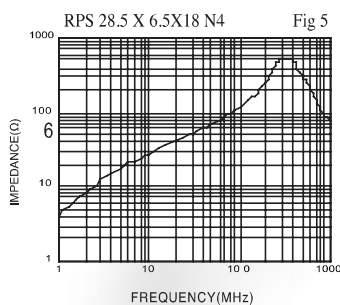
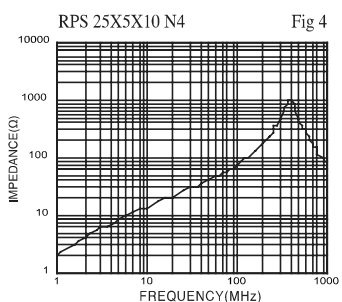
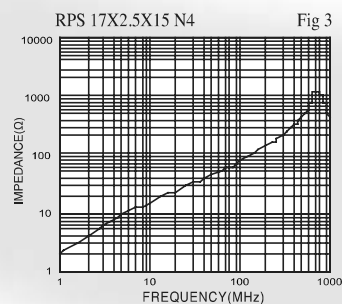
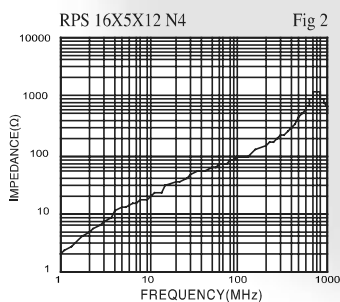
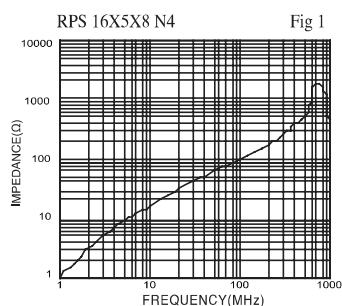
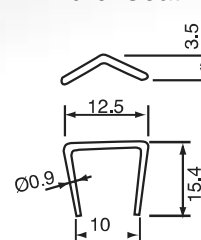
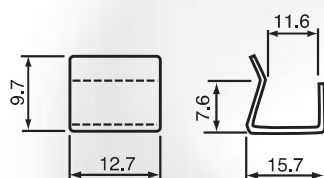
**The other specification can be designed & produced also.*

● Clip Material :

N1, N2, N3: Nylon-66 (UL)
Flame Class: 94V-2

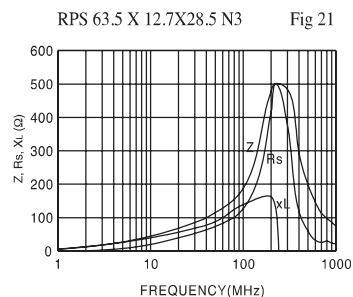
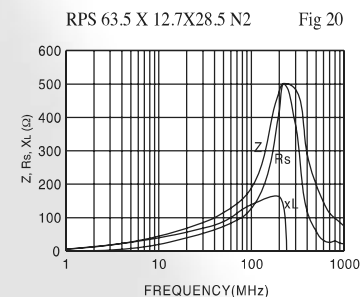
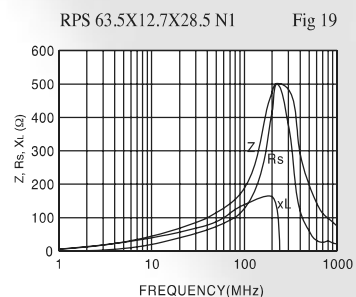
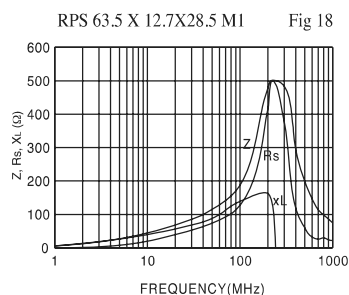
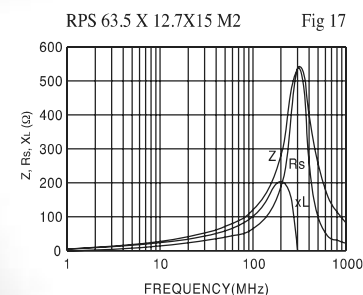
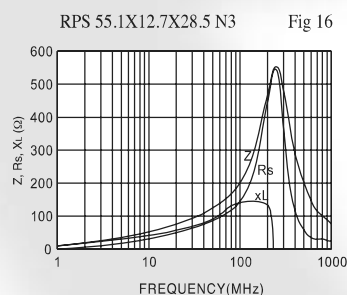
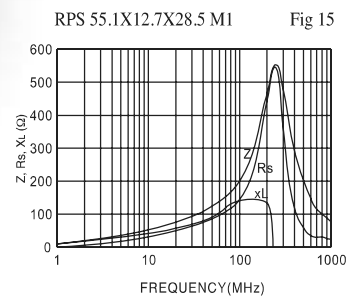
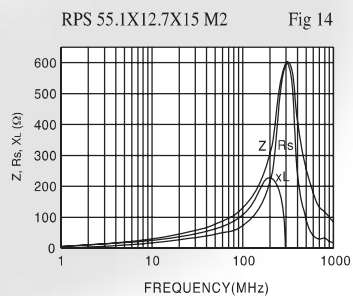
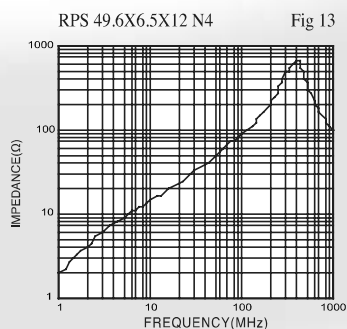
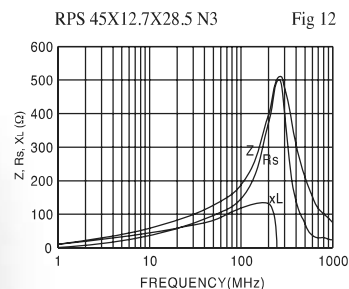
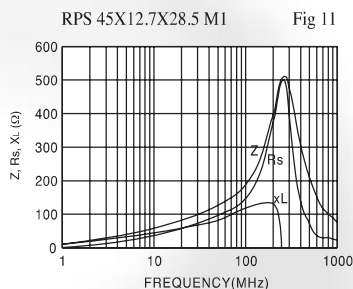
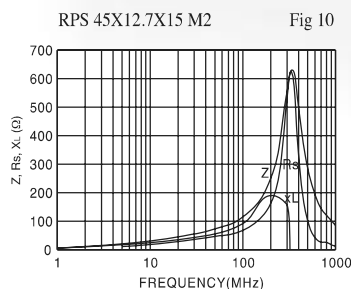
M1: Spring Steel
Nickel Coating

M2: Piano wire
Nickel Coating



EMI Suppressor Clip Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



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● Ordering Code

RP 31 X 5 X 12
(1) (2) (3) (4)

(1) Type Code
(2) A Size

(3) B Size
(4) D Size

● Applications

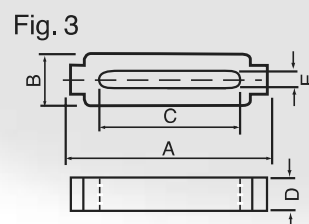
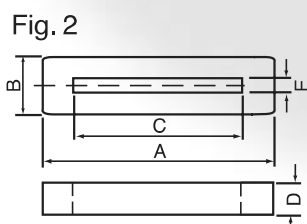
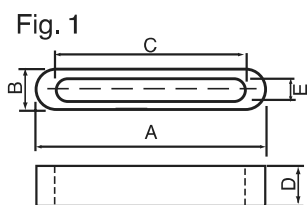
EMI Suppression on flat cable assemblies

Outline: Rectangular EMI suppression ferrites provide a costeffective means of reduction common mode EMI on flat, ribbon type cable assemblies. They are most frequently used to suppress EMI on the internal data cable assemblies of electronic equipment. by reducing the levels radiated by internal cables, these ferrites can reduce the cost and amount of overall shielding required to confine EMI within a product's enclosure.

Features: Slot lengths from 16mm to 60mm. Precision formed smooth surfaces prevent damage to wire insulation.

Application: Internal floppy disk and harddisk ribbon cables. Internal ribbon cables between circuit boards and data connectors. Internal ribbon cables with series digital signal busses.

● Shapes



● Dimensions (Core Size) & Characteristics

Unit: mm

NO	ITEM	Fig	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
1	RP 13.5X2.75X15	1	13.5±0.3	2.75±0.3	11.0±0.3	15.0±0.4	0.7±0.3	20	65	1
2	RP 16X4.5X12	1	16±0.3	4.5±0.3	11.5±0.3	12.0±0.5	0.5 ^{+0.6} _{-0.1}	30	80	2
3	RP 16X5X8 E=0.5	1	16±0.3	5.0±0.3	11.5±0.3	8.0±0.2	0.5 ^{+0.6} _{-0.1}	38	90	3
4	RP 16X5X8 E=1.3	1	16±0.3	5.0±0.3	11.5±0.3	8.0±0.2	1.3±0.2	20	50	4
5	RP 16X5X12 E=0.5	1	16±0.3	5.0±0.3	11.5±0.3	12.0±0.5	0.5 ^{+0.6} _{-0.1}	30	70	5
6	RP 16X5X12 E=1.3	1	16±0.3	5.0±0.3	11.5±0.3	12.0±0.5	1.3±0.2	30	65	6
7	RP 16X5X20 E=0.5	1	16±0.4	5.0±0.3	11.5±0.4	20.0±0.5	0.5 ^{+0.6} _{-0.1}	45	90	7
8	RP 16X5X20 E=1.3	1	16±0.4	5.0±0.3	11.5±0.4	20.0±0.5	1.3±0.2	45	90	8
9	RP 18X4.5X12	1	18±0.4	4.5±0.3	14.0±0.4	12.0±0.5	1.0±0.3	47	98	9

EMI Suppersor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*

NO	ITEM	Fig.	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
10	RP 18X5X8	1	18.0 $\pm$ 0.4	5.0 $\pm$ 0.3	14.0 $\pm$ 0.4	8.0 $\pm$ 0.4	1.0 $\pm$ 0.3	24	55	10
11	RP 18X5X18	1	18.0 $\pm$ 0.3	5.0 $\pm$ 0.3	13.0 $\pm$ 0.4	18.0 $\pm$ 0.5	1.5 $\pm$ 0.3	30	75	11
12	RP 19X4X15	1	19.0 $\pm$ 0.4	4.0 $\pm$ 0.3	13.5 $\pm$ 0.6	15.0 $\pm$ 0.4	1.52 $\pm$ 0.3	20	60	12
13	RP 19X4.5X20	1	19.0 $\pm$ 0.4	4.5 $\pm$ 0.4	15.0 $\pm$ 0.5	20.0 $\pm$ 0.6	0.8 $\pm$ 0.15	30	80	13
14	RP 19X6.5X12	1	19.0 $\pm$ 0.4	6.5 $\pm$ 0.2	13.45 $\pm$ 0.3	12.0 $\pm$ 0.3	1.5 $\pm$ 0.15	30	60	14
15	RP 19X6.5X15	1	19.0 $\pm$ 0.4	6.5 $\pm$ 0.2	13.45 $\pm$ 0.3	15.0 $\pm$ 0.4	1.75 $\pm$ 0.3	30	70	15
16	RP 20.5X3.5X10	1	20.5 $\pm$ 0.5	3.5 $^{+0.15}_{-0.25}$	16.5 $\pm$ 0.4	10.0 $\pm$ 0.4	0.5 $^{+0.6}_{-0.1}$	20	65	16
17	RP 20.5X3.5X15	1	20.5 $\pm$ 0.5	3.5 $^{+0.15}_{-0.25}$	16.5 $\pm$ 0.4	15.0 $\pm$ 0.4	0.5 $^{+0.6}_{-0.1}$	34	88	17
18	RP 22.35X7.75X19.05	2	22.35 $\pm$ 0.51	7.75 $\pm$ 0.38	14.0 $\pm$ 0.4	19.05 $\pm$ 0.64	1.5 $\pm$ 0.25	68	120	18
19	RP 23.3X2.1X15	1	23.3 $\pm$ 0.7	2.1 $^{+0.10}_{-0.20}$	20.0 $\pm$ 0.5	15.0 $\pm$ 0.6	0.5 $^{+0}_{-0.2}$	25	80	19
20	RP 23.3X3X5	1	23.3 $\pm$ 0.7	3.0 $\pm$ 0.3	20.0 $\pm$ 0.5	5.0 $\pm$ 0.4	0.9 $\pm$ 0.3	12	45	20
21	RP 23.3X3X7	2	23.3 $\pm$ 0.7	3.0 $\pm$ 0.3	20.0 $\pm$ 0.5	7.0 $\pm$ 0.4	0.9 $\pm$ 0.3	20	60	21
22	RP 23.3X5X7	1	23.3 $\pm$ 0.7	5.0 $\pm$ 0.3	20.0 $\pm$ 0.5	7.0 $\pm$ 0.4	0.9 $\pm$ 0.3	15	50	22
23	RP 23.5X6.3X10	2	23.5 $\pm$ 0.7	6.3 $\pm$ 0.5	18.4 $\pm$ 0.4	10.0 $\pm$ 0.4	1.1 $\pm$ 0.3	32	75	23
24	RP 23.5X6.3X15	2	23.5 $\pm$ 0.7	6.3 $\pm$ 0.5	18.4 $\pm$ 0.4	15.0 $\pm$ 0.4	1.1 $\pm$ 0.3	35	80	24
25	RP 23.8X6.3X7	1	23.8 $\pm$ 0.7	6.3 $\pm$ 0.5	18.4 $\pm$ 0.4	7.0 $\pm$ 0.3	1.1 $\pm$ 0.3	20	55	25
26	RP 23.8X6.3X15	1	23.8 $\pm$ 0.7	6.3 $\pm$ 0.5	18.4 $\pm$ 0.4	15.0 $\pm$ 0.4	1.1 $\pm$ 0.3	30	80	26
27	RP 24.5X5X12	1	24.5 $\pm$ 0.7	5.0 $^{+0}_{-0.7}$	20.0 $\pm$ 0.5	12.0 $\pm$ 0.5	0.8 $\pm$ 0.3	25	70	27
28	RP 24.5X5X20	1	24.5 $\pm$ 0.7	5.0 $\pm$ 0.3	20.0 $\pm$ 0.5	20.0 $\pm$ 0.6	0.8 $\pm$ 0.2	30	75	28
29	RP 25X5X5	1	25.0 $\pm$ 0.7	5.0 $\pm$ 0.3	21.0 $\pm$ 0.5	5.0 $\pm$ 0.3	1.2 $\pm$ 0.2	15	55	29
30	RP 25X5X12	1	25.0 $\pm$ 0.7	5.0 $\pm$ 0.4	21.0 $\pm$ 0.5	12.0 $\pm$ 0.5	1.3 $\pm$ 0.2	27	75	30
31	RP 25X7.7X24	1	25.0 $\pm$ 0.7	7.7 $\pm$ 0.5	18.0 $\pm$ 0.4	24.0 $\pm$ 0.8	0.9 $\pm$ 0.3	80	200	31
32	RP 26X5X6	1	26.0 $\pm$ 0.8	5.0 $\pm$ 0.3	22.5 $\pm$ 0.6	6.0 $\pm$ 0.3	0.9 $\pm$ 0.3	15	50	32
33	RP 28X3.5X15	1	28.0 $\pm$ 0.8	3.5 $^{+0.15}_{-0.25}$	24.0 $\pm$ 0.4	15.0 $\pm$ 0.6	0.5 $^{+0.2}_{-0.15}$	30	88	33
34	RP 28X6.5X15	1	28.0 $\pm$ 0.8	6.5 $\pm$ 0.5	23.0 $\pm$ 0.5	15.0 $\pm$ 0.6	1.0 $\pm$ 0.3	30	85	34

EMI Suppersor Ferrite Cores (for Flat Cable)

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NO	ITEM	Fig.	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
35	RP 28X7.7X14.6	3	28.0 $\pm$ 0.8	7.7 $\pm$ 0.5	23.0 $\pm$ 0.5	14.6 $\pm$ 0.4	1.4 $\pm$ 0.4	38	85	35
36	RP 28X7.7X22	3	28.0 $\pm$ 0.8	7.7 $\pm$ 0.5	23.0 $\pm$ 0.5	22.0 $\pm$ 0.6	1.4 $\pm$ 0.4	45	90	36
37	RP 28X14X13		28.0 $\pm$ 1.0	14 $\pm$ 0.4	20.5 $\pm$ 0.8	13.0 $\pm$ 0.4	7.2 $\pm$ 0.5	30	60	37
38	RP 28.5X3.8X12	1	28.5 $\pm$ 0.8	3.8 $\pm$ 0.3	24.5 $\pm$ 0.8	12.0 $\pm$ 0.5	1.0 $\pm$ 0.3	15	65	38
39	RP 28.5X5X12	1	28.5 $\pm$ 0.8	5.0 $\pm$ 0.4	24.5 $\pm$ 0.8	12.0 $\pm$ 0.5	1.0 $\pm$ 0.3	25	75	39
40	RP 28.5X6.5X8	1	28.5 $\pm$ 0.8	6.5 $\pm$ 0.5	23.5 $\pm$ 0.5	8.0 $\pm$ 0.4	1.0 $\pm$ 0.3	15	40	40
41	RP 28.5X6.5X18	1	28.5 $\pm$ 0.8	6.5 $\pm$ 0.5	23.5 $\pm$ 0.5	18.0 $\pm$ 0.7	1.0 $\pm$ 0.3	40	95	41
42	RP 28.5X8X10	1	28.5 $\pm$ 0.8	8.0 $\pm$ 0.5	21.0 $\pm$ 0.5	10.0 $\pm$ 0.4	2.0 $\pm$ 0.4	28	67	42
43	RP 28.6X7.7X25	1	28.6 $\pm$ 0.8	7.7 $\pm$ 0.5	23.6 $\pm$ 0.8	25.0 $\pm$ 0.8	1.8 $\pm$ 0.2	45	95	43
44	RP 28.6X7.7X31	1	28.6 $\pm$ 0.8	7.7 $\pm$ 0.5	23.6 $\pm$ 0.8	31.0 $\pm$ 0.8	1.8 $\pm$ 0.2	55	105	44
45	RP 29X8X15	1	29.0 $\pm$ 0.8	8.0 $\pm$ 0.5	22.0 $\pm$ 0.6	15.0 $\pm$ 0.5	1.98 $\pm$ 0.3	30	90	45
46	RP 31X5X9	1	31.0 $\pm$ 0.8	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	9.0 $\pm$ 0.4	0.5 ^{+0.7} _{-0.1}	25	75	46
47	RP 31X5X12	1	31.0 $\pm$ 0.8	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	0.5 ^{+0.7} _{-0.1}	30	85	47
48	RP 31X5X22	1	31.0 $\pm$ 0.8	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	22.0 $\pm$ 0.6	0.5 ^{+0.7} _{-0.1}	46	130	48
49	R3P 31XX8.5X18 P2.34		31.0 $\pm$ 0.8	8.5 $\pm$ 0.5	27.5 $\pm$ 0.6	18.0 $\pm$ 0.5	0.65 $\pm$ 0.3		125	49
50	RP 32X6.5X9.5	1	32.0 $\pm$ 0.6	6.5 $\pm$ 0.5	28.0 $\pm$ 0.7	9.5 $\pm$ 0.5	2.8 $\pm$ 0.3	15	50	50
51	RP 32X8X9.7	1	32.0 $\pm$ 0.6	8.0 $\pm$ 0.5	25.0 $\pm$ 0.6	9.7 $\pm$ 0.5	1.0 $\pm$ 0.3		80	51
52	RP 33.5X3.5X15	1	33.5 $\pm$ 0.9	3.5 $\pm$ 0.3	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	1.4 $\pm$ 0.4	21	68	52
53	RP 33.5X4X12	1	33.5 $\pm$ 0.9	4.0 ⁺⁰ _{-0.2}	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	19	60	53
54	RP 33.5X4.5X15	1	33.5 $\pm$ 0.9	4.5 $\pm$ 0.2	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	1.4 $\pm$ 0.4	20	60	54
55	RP 33.5X5X12	1	33.5 $\pm$ 0.9	5.0 $\pm$ 0.4	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	20	60	55
56	RP 33.5X6X12	1	33.5 $\pm$ 0.9	6.0 $\pm$ 0.5	30.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.1 $\pm$ 0.4	25	65	56
57	RP 33.5X6.5X8	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	8.0 $\pm$ 0.6	1.4 $\pm$ 0.4	15	45	57
58	RP 33.5X6.5X10	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	10.0 $\pm$ 0.6	1.4 $\pm$ 0.4	24	65	58
59	RP 33.5X6.5X12	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	25	65	59

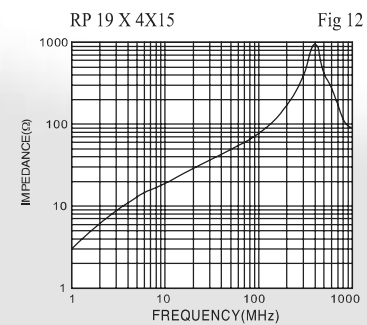
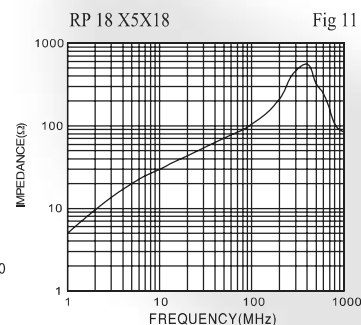
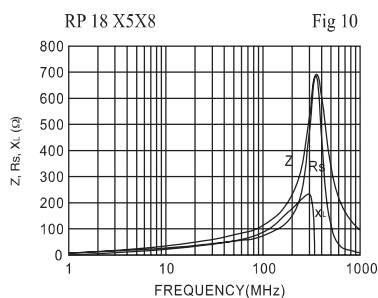
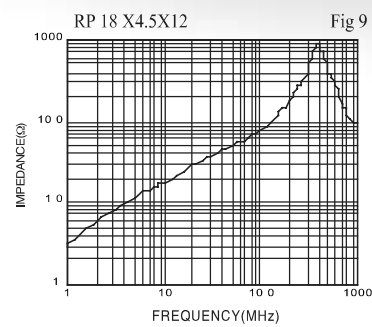
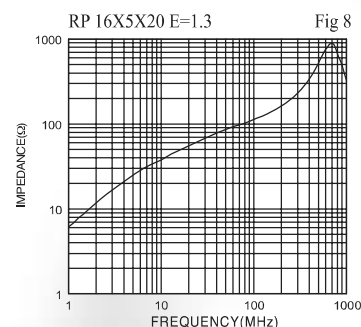
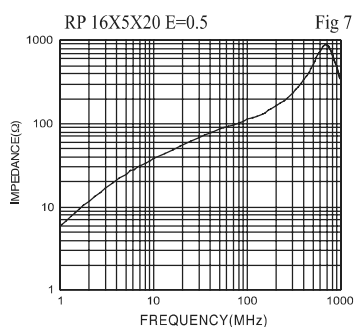
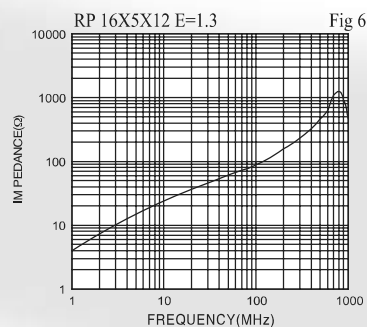
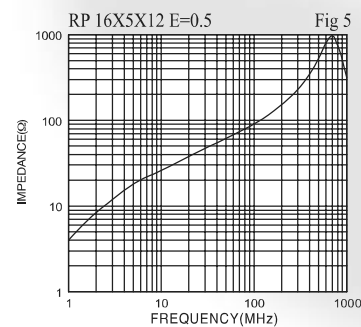
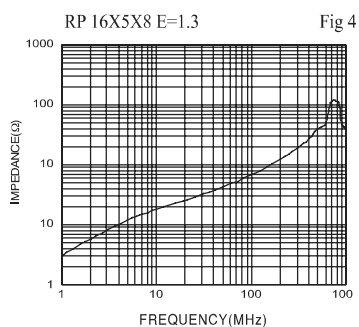
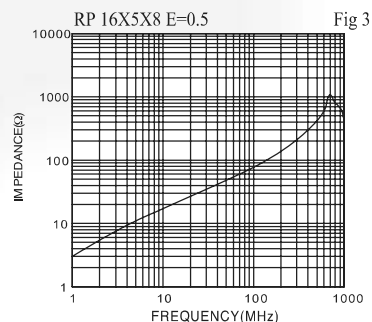
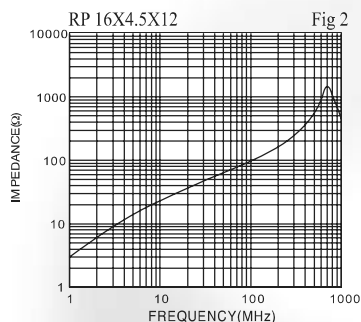
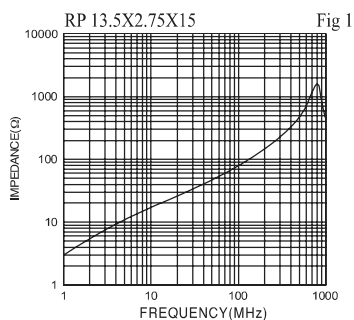
EMI Supperssor Ferrite Cores (for Flat Cable)

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NO	ITEM	Fig.	A	B	C	D	E	IMPEDANCD (Ω) min.		(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz	
60	RP 33.5X6.5X15	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	1.4 $\pm$ 0.4	32	81	60
61	RP 33.5X6.5X20	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	20.0 $\pm$ 0.6	1.4 $\pm$ 0.4	35	85	61
62	RP 33.5X6.5X22	1	33.5 $\pm$ 0.9	6.5 $\pm$ 0.5	27.0 $\pm$ 0.6	22.0 $\pm$ 0.8	1.4 $\pm$ 0.4	38	88	62
63	RP 33.5X7.4X10	1	33.5 $\pm$ 0.9	7.4 $\pm$ 0.5	27.0 $\pm$ 0.6	10.0 $\pm$ 0.5	2.2 $\pm$ 0.4	20	60	63
64	RP 33.5X7.4X15	1	33.5 $\pm$ 0.9	7.4 $\pm$ 0.5	27.0 $\pm$ 0.6	15.0 $\pm$ 0.6	2.2 $\pm$ 0.3	30	80	64
65	RP 37.7X6X15		37.7 $\pm$ 0.9	6.0 $\pm$ 0.5	33.7 $\pm$ 0.6	15.0 $\pm$ 0.6	0.85 $\pm$ 0.2	35	90	65
66	RP 38.1X12X25.4	2	38.1 $\pm$ 1.0	12.0 $\pm$ 0.6	26.7 $\pm$ 0.6	25.4 $\pm$ 0.8	1.9 $\pm$ 0.4	83	145	66
67	RP 38.5X4X12	1	38.5 $\pm$ 0.8	4.0 $\pm$ 0.3	34.5 $\pm$ 0.6	12.0 $\pm$ 0.5	0.87 ^{+0.4} _{-0.2}	15	65	67
68	RP 40X4X12	1	40.0 $\pm$ 1.0	4.0 ^{+0.5} _{-0.2}	31.0 $\pm$ 0.8	12.0 $\pm$ 0.5	0.7 ^{+0.5} _{-0.2}	20	65	68
69	RP 40X5X12	1	40.0 $\pm$ 1.0	5.0 $\pm$ 0.5	35.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.43 $\pm$ 0.5	15	60	69
70	RP 40X6.5X6	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	6.0 $\pm$ 0.3	1.4 $\pm$ 0.4	16	50	70
71	RP 40X6.5X12	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	25	72	71
72	RP 40X6.5X18	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	18.0 $\pm$ 0.6	1.4 $\pm$ 0.4	25	70	72
73	RP 40X6.5X20	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	20.0 $\pm$ 0.6	1.4 $\pm$ 0.4	30	80	73
74	RP 40X6.5X22	1	40.0 $\pm$ 1.0	6.5 $\pm$ 0.5	35.0 $\pm$ 0.7	22.0 $\pm$ 0.6	1.4 $\pm$ 0.4	35	85	74
75	RP 45.1X12.5X11	2	45.1 $\pm$ 1.0	12.5 $\pm$ 0.5	38.0 $\pm$ 0.8	11.0 $\pm$ 0.4	2.1 $\pm$ 0.4	30	80	75
76	RP 45.1X12.5X28.6	2	45.1 $\pm$ 1.0	12.5 $\pm$ 0.5	34.5 $\pm$ 0.8	28.6 $\pm$ 0.8	1.5 $\pm$ 0.5	80	165	76
77	RP 45.2X6.5X12	1	45.2 $\pm$ 1.0	6.5 $\pm$ 0.5	40.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	24	72	77
78	RP 46X5X8	1	46 ^{+1.1} _{-0.8}	5.0 ⁺⁰ _{-0.8}	41.5 $\pm$ 0.8	8.0 $\pm$ 0.3	0.5 ^{+0.1} ₋₀	15	55	78
79	RP 46X5X12	1	46 ^{+1.1} _{-0.8}	5.0 ⁺⁰ _{-0.8}	41.5 $\pm$ 0.8	12.0 $\pm$ 0.5	0.5 ^{+0.1} ₋₀		44	79
80	RP 49.6X4X12	1	49.6 $\pm$ 1.0	4.0 $\pm$ 0.2	44.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	19	63	80
81	RP 49.6X6.5X12	1	49.6 $\pm$ 1.0	6.5 $\pm$ 0.5	44.0 $\pm$ 0.8	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	22	68	81
82	RP 49.6X6.5X25	1	49.6 $\pm$ 1.0	6.5 $\pm$ 0.5	44.0 $\pm$ 0.8	25.0 $\pm$ 0.6	1.4 $\pm$ 0.4	30	90	82
83	RP 57.6X6.5X12	1	57.6 $\pm$ 1.2	6.5 $\pm$ 0.5	52.0 $\pm$ 1.0	12.0 $\pm$ 0.5	1.4 $\pm$ 0.4	22	70	83
84	RP 57.9X7X12	1	57.9 $\pm$ 1.2	7.0 $\pm$ 0.5	52.0 $\pm$ 1.0	12.0 $\pm$ 0.5	1.3 ^{+0.6} ₋₀	20	60	84

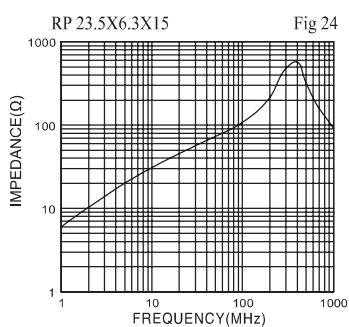
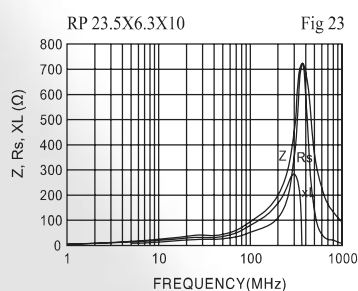
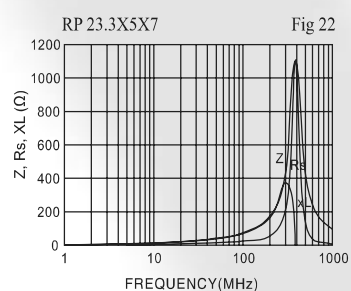
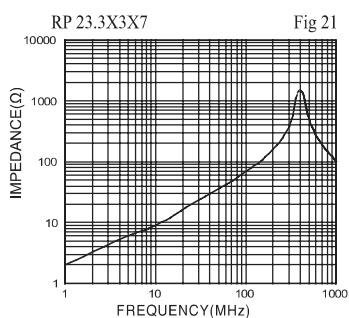
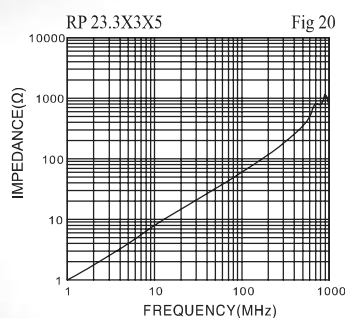
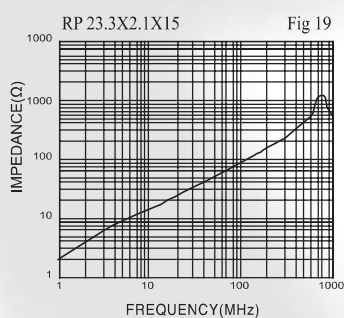
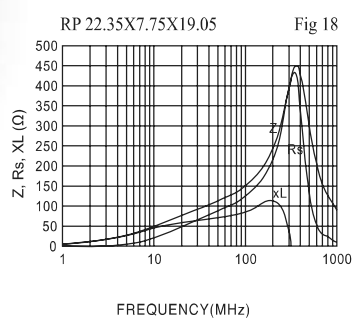
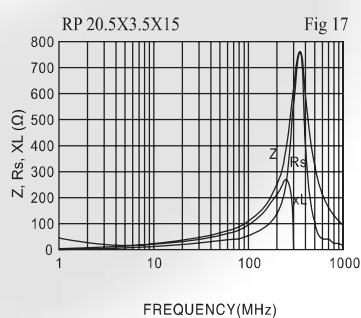
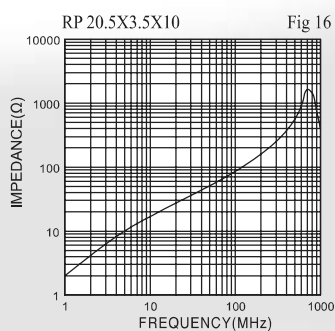
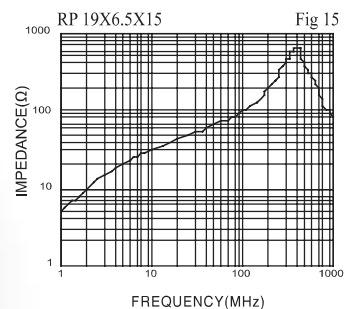
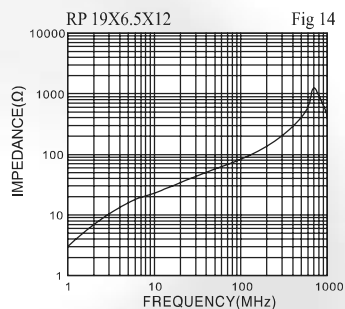
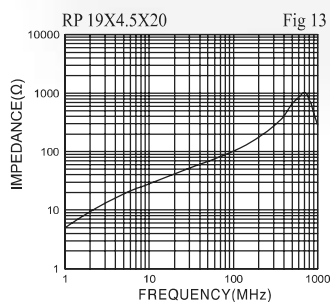
EMI Suppersor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



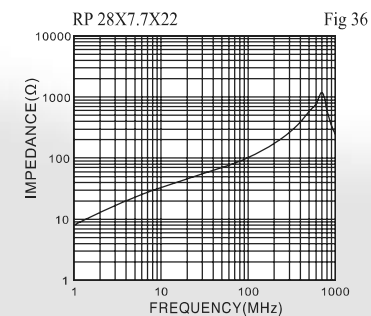
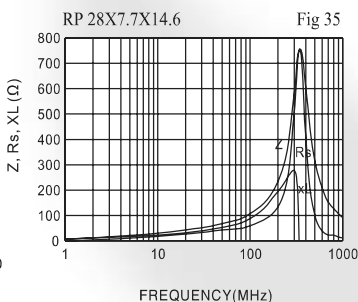
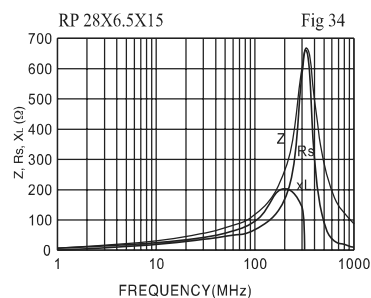
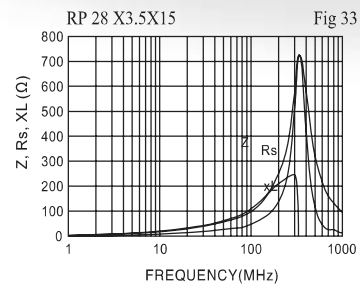
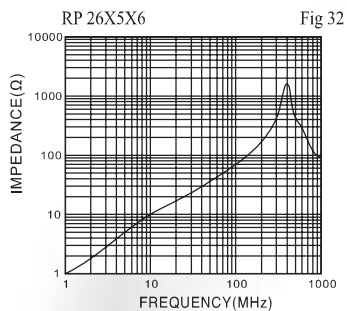
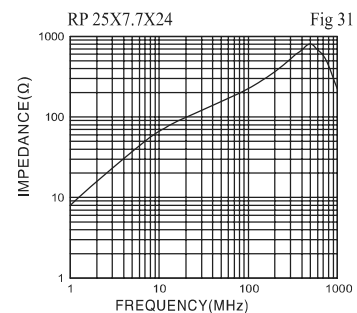
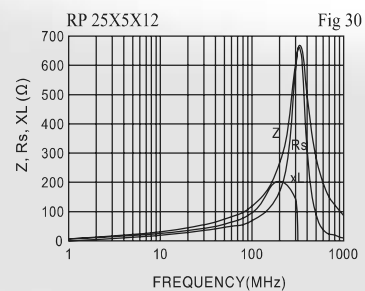
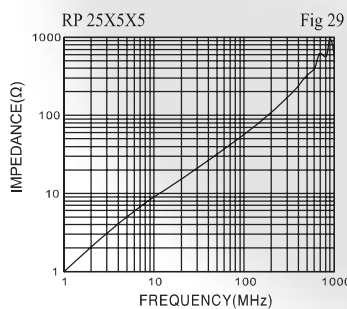
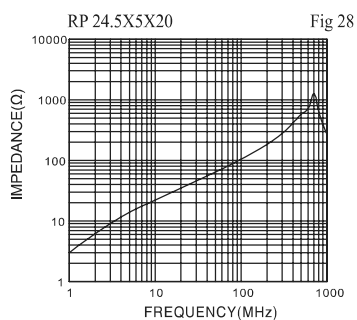
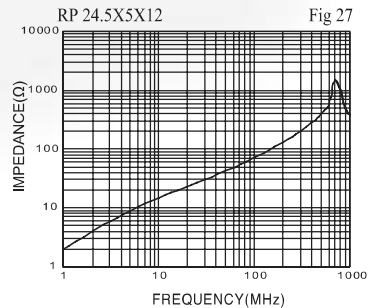
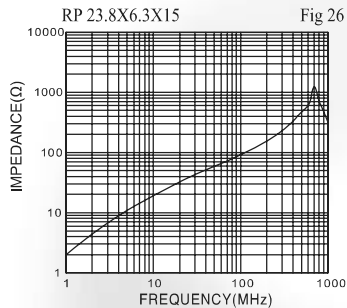
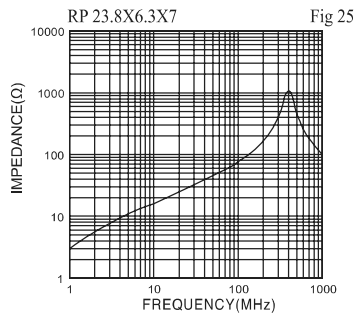
EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



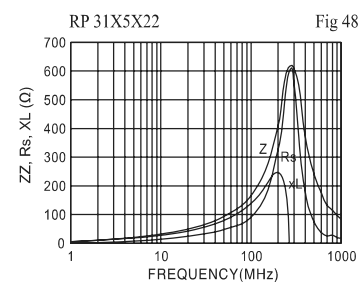
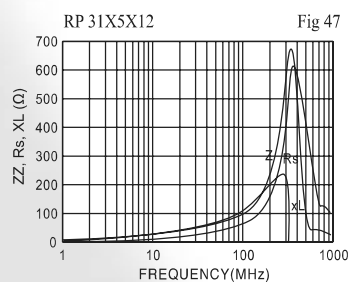
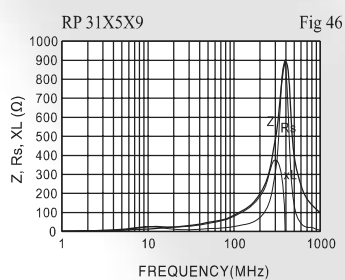
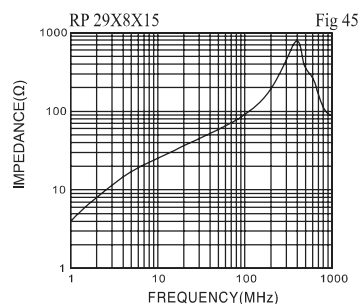
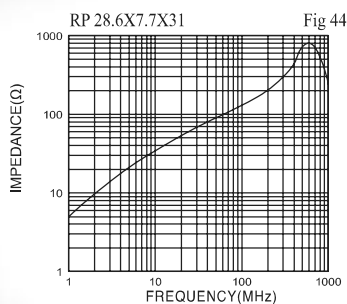
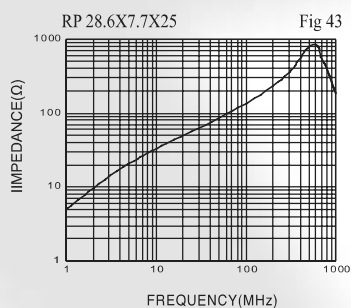
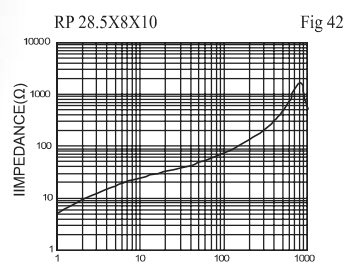
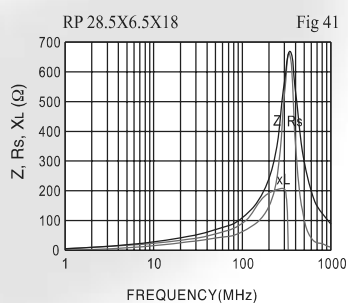
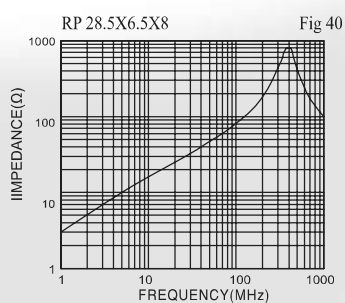
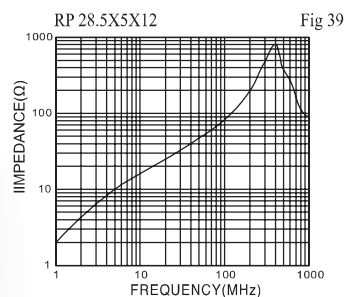
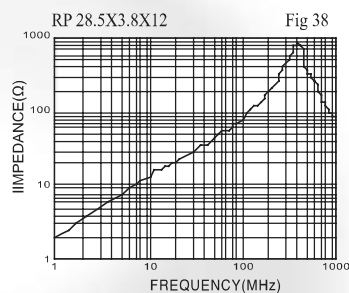
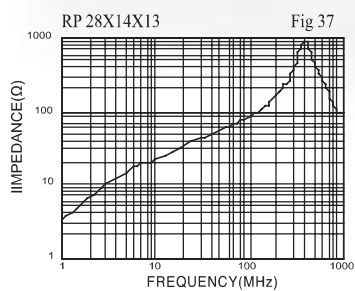
EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



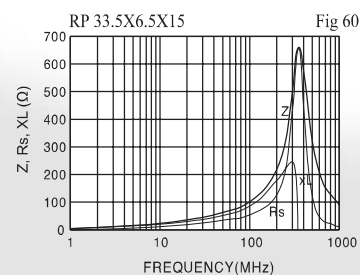
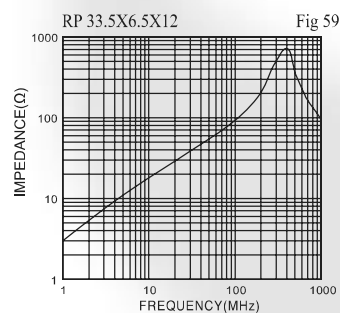
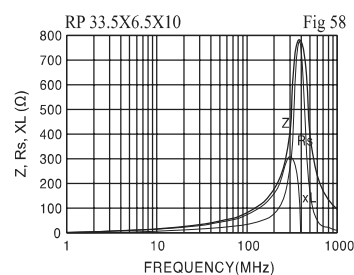
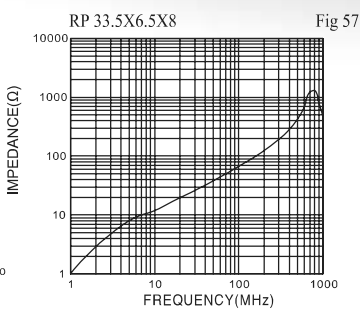
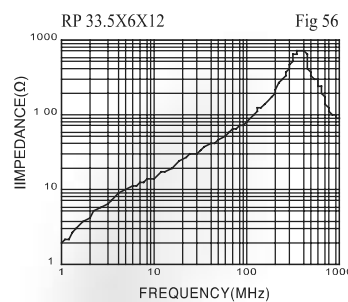
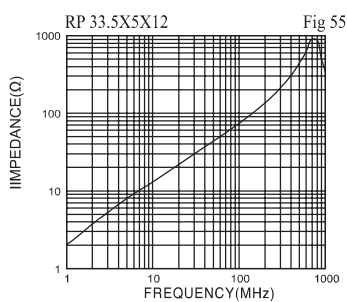
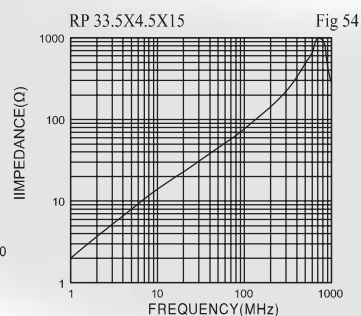
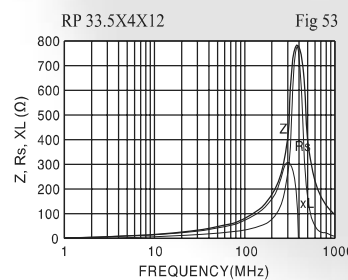
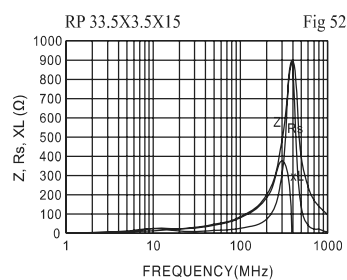
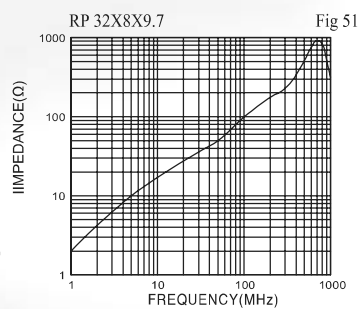
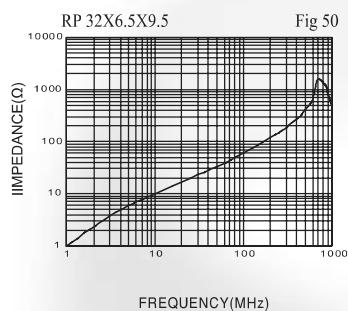
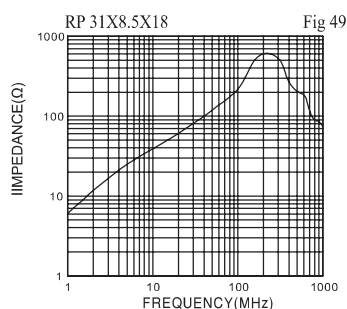
EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



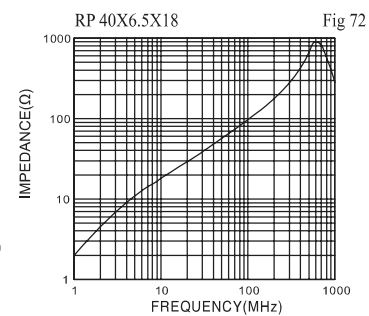
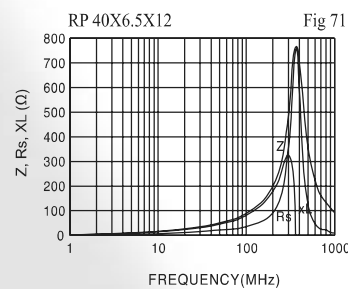
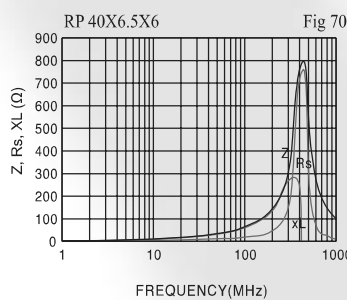
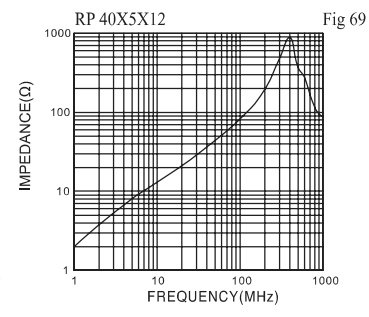
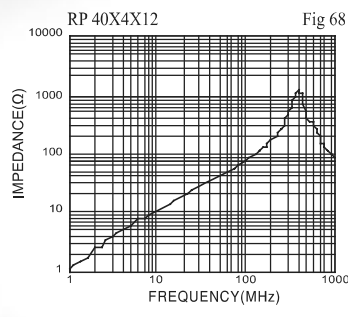
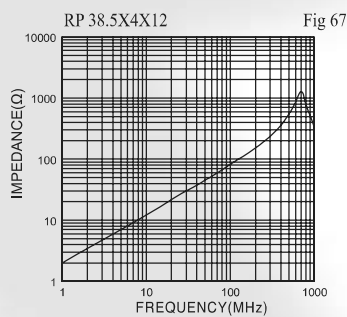
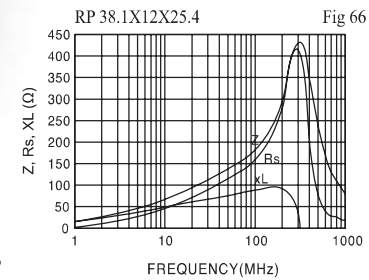
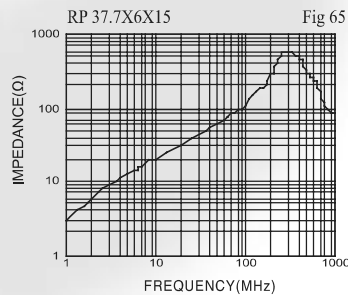
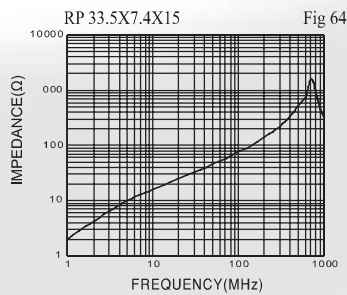
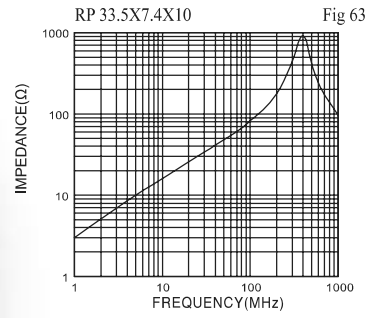
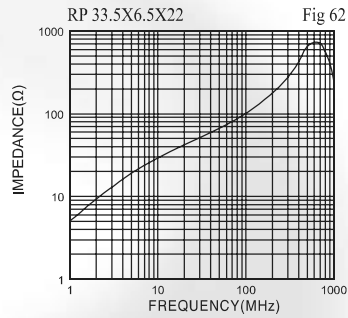
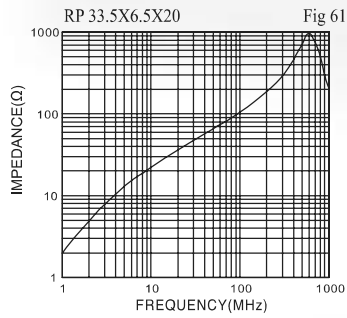
EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



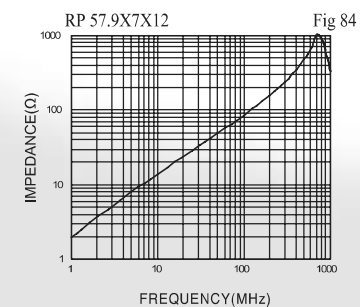
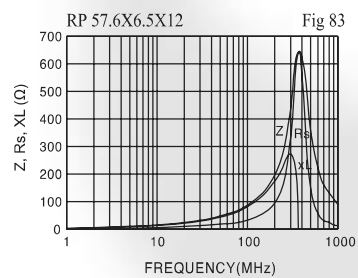
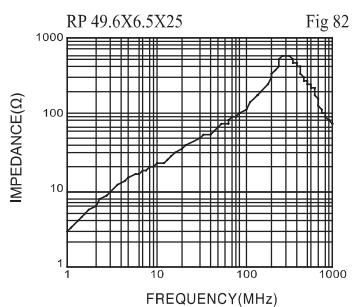
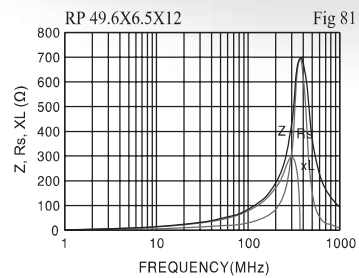
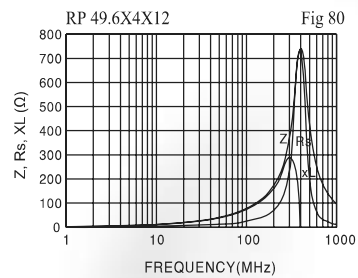
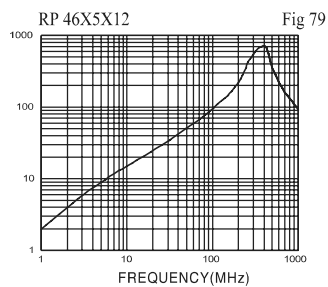
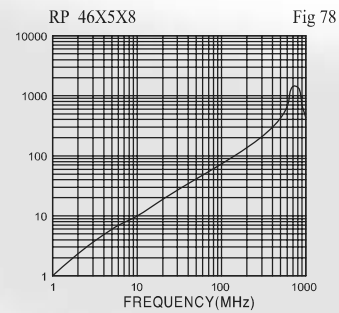
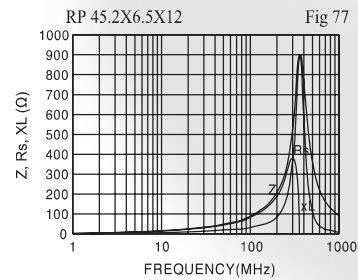
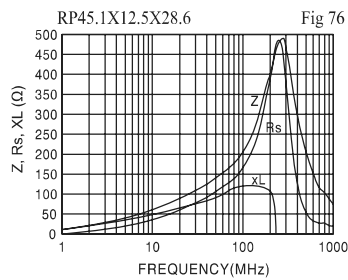
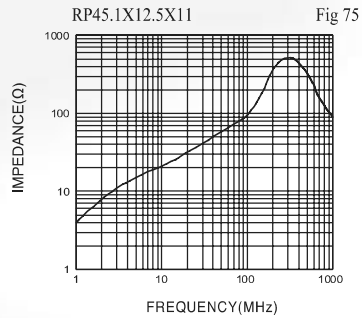
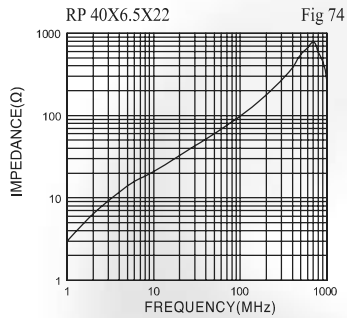
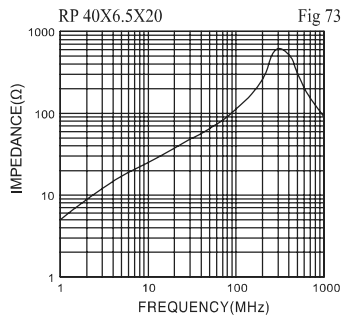
EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Ferrite Cores (for Flat Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*



● Ordering Code

(A)

CT RC - 05 20 - 01
(1) (2) (3) (4) (5)

(1) Type Code (3) Core I.D.
(2) Shape: (4) Core Length
RC.: Round Shape (5) Sequence No.
NF.: Square Shape

(B)

CTNF 50
(1)

(1) Core I.D

(C)

CTRC 26 29
(1) (2)

(1) Core O.D,
26=26mm
(2) Core Length

(D)

CTRC 75 30
(1) (2)

(1) Core I.D,
75=7.5mm
(2) Core Length

EMI suppressor Snap-on ferrite cores (for round cable)

For retrofit and post-assembly operations Elettronica Rossoni provide the CTRC with excellent common mode EMI suppression on round cable assemblies. light wight, inexpensive plastic snap-on cases provide secure mounting of the ferrite to the cable.

Features: Internal dimensions from 5mm to 15mm radius. Precision formed smooth surface prevent damage to wire insulation. Easy installation.

Applications: Internal and external power cables. internal cables between pc boards and data connectors, computer peripherals, digital camera, DVD, fax machine cables, monitor cables, power supply cables. Printer cables.

● Shapes

Fig.1

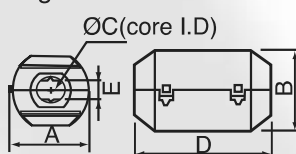


Fig.2

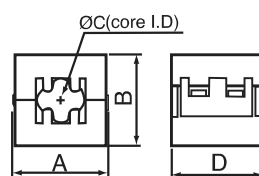


Fig.3

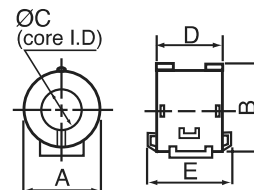


Fig.4

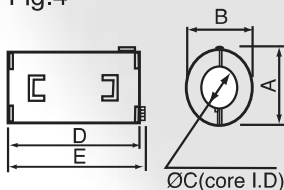
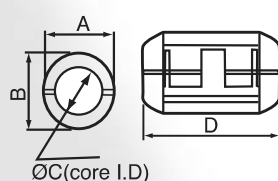


Fig.5



MATERIAL OF THE RESIN CASES:
PA66, FLAME CLASS UL94V-2

EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*

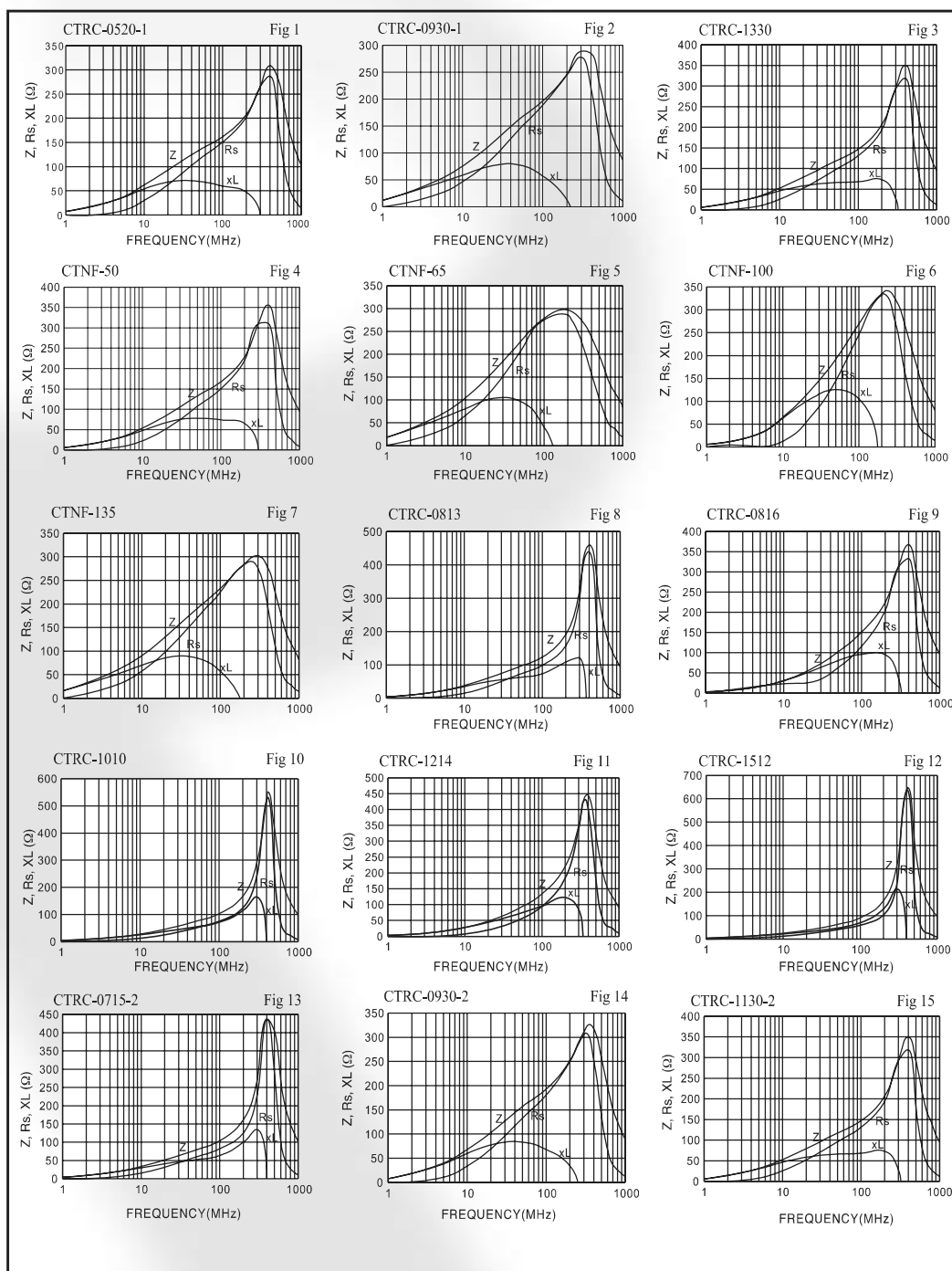
● Dimensions (Core Size) & Characteristics

Unit: mm

NO	ITEM	Fig.	A	B	øC	D	E	IMPEDANCE (Ω) min.		Max. Cable Dia.(ø)	(Z,RS,XL) -f Curve Fig.
								25MHz	100MHz		
1	CTRC-0520-1	1	13±1	11.8±1	5±0.3	25.5±1	2.5±REF	60	100	5	1
2	CTRC-0930-1	1	19.5±1	18±1	9±0.3	35±1	5.5±1	80	130	9	2
3	CTRC-1330	1	23.5±1	22.5±1	13±0.3	36±1	8.5±1	70	120	13	3
4	CTNF-50	2	15.0±1	14±1	5.2±0.3	23±1		70	120	5	4
5	CTNF-65	2	20.5±1	20±1	6.5±0.3	33±1		120	200	6.5	5
6	CTNF-100	2	25.5±1	23.5±1	10±0.3	33±1		80	130	10	6
7	CTNF-135	2	31.5±1	30±1	13±0.3	33±1		105	170	13	7
8	CTRC-0813	3	19.5±1	23±1	8.1±0.3	17±1	23±1	42	85	8	8
9	CTRC-0816	3	19.5±1	23±1	8.1±0.3	20±1	26±1	50	110	8	9
10	CTRC-1010	3	24.5±1	28.5±1	10.2±0.3	13.5±1	20±1	35	75	10	10
11	CTRC-1214	3	28±1	32±1	11.5±0.3	18±1	24±1	50	100	11.5	11
12	CTRC-1512	3	29±1	33±1	15±0.3	15.5±1	21.5±1	30	70	15	12
13	CTRC-0715-2	4	15.5±1	14±1	7±0.3	18±1	22±1	40	75	7	13
14	CTRC-0930-2	4	20.5±1	19.5±1	9±0.3	31.5±1	35.5±1	80	130	9	14
15	CTRC-1130-2	4	20.5±1	21±1	11±0.4	32±1	36±1	60	110	11	15
16	CTRC-0415	5	15±1	15±1	4±0.2	25.2±1		55	95	4	16
17	CTRC-0520-2	5	16.5±1	16.5±1	5.2±0.3	29.5±1		70	120	5	17
18	CTRC-1329-2	4	31.5±1	30.5±1	13±0.3	34±1	39.5±1	80	130	13	18
19	CTRC-7530	5	21±1	21±1	7.5±0.3	39±1		90	150	7.5	19
20	CTRC-0933	5	22.5±1	22.5±1	9.5±0.3	43±1		105	190	9.5	20
21	CTRC-3520-1	1	13±1	11.8±1	3.5±0.3	25.5±1	2.5±REF	80	150	3.5	21
22	CTRC-0723	1	17±1	15±1	7±0.3	30±1	2.5	80	135	7	22
23	CTRC-0929-2	4	31.5±1	30.5±1	9±0.3	34±1	39.5±1	80	130	9	23
24	CTRC-5520-2	5	16.5±1	16.5±1	5.5±0.3	29.5±1		60	120		24
25	CTRC-3516-1	1	12±1	11±1	3.6±0.3	21.5±1	2.5±REF	60	110	3.6	25

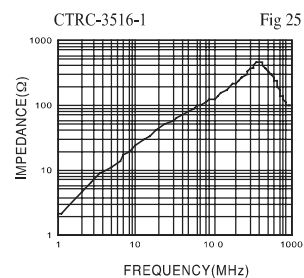
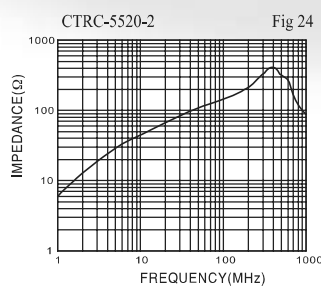
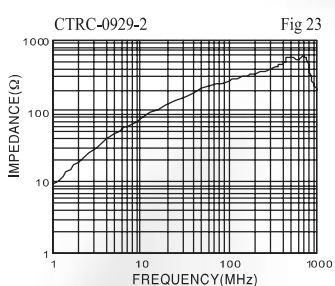
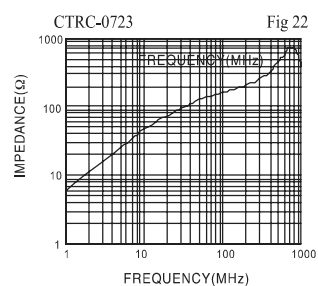
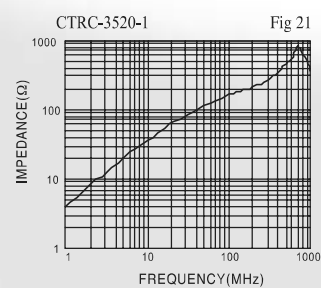
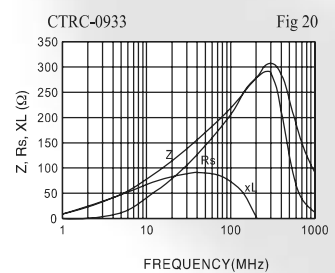
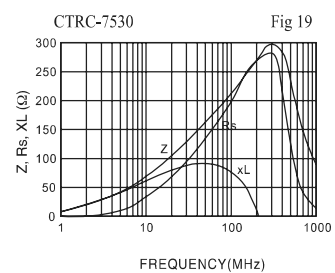
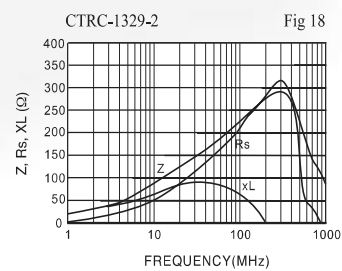
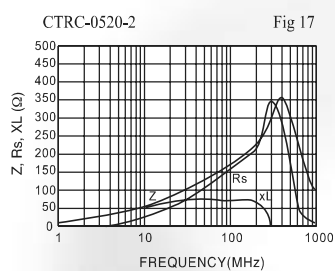
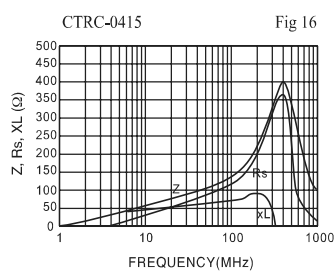
EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*



EMI Suppressor Snap-on Ferrite Cores (for Round Cable)

**The other specification can be designed & produced also.*



EMI Suppression Cores With Plastic Case (TRCN Series)

**The other specification can be designed & produced also.*

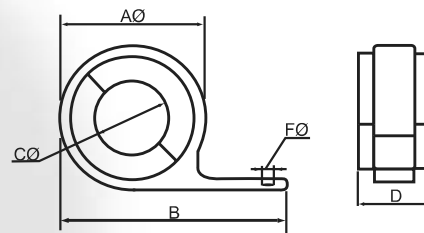


● Ordering Code

TRCN 16 13
(1) (2) (3)

(1) Type Code
(2) A Size
(3) D Size

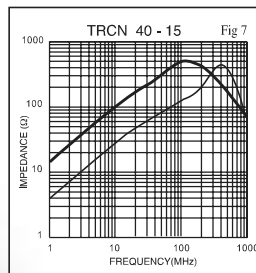
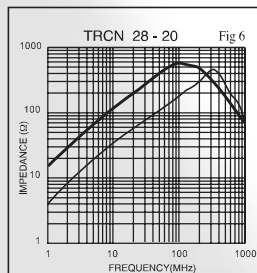
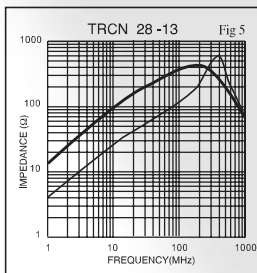
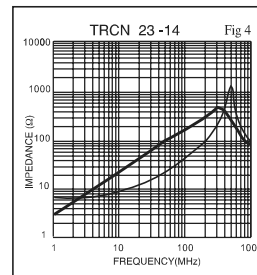
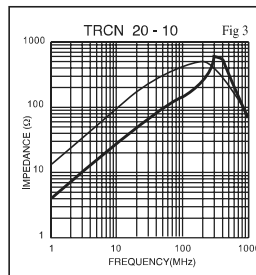
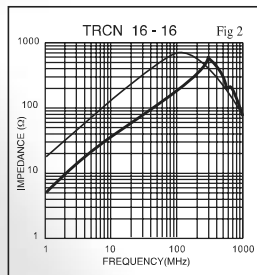
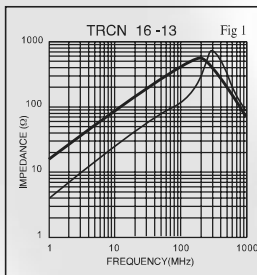
● Shapes



● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	B	ØD	ØC	ØF	1 turn		2 turns		Fig.
							25MHz	100MHz	25MHz	100MHz	
1	TRCN 16 - 13	19.4	30.2	13.0	8	4.3	45	110	160	370	1
2	TRCN 16 - 16	19.4	30.2	16.0	8	4.3	50	150	180	500	2
3	TRCN 20 - 10	25.7	38.2	10.0	10	5.1	45	80	140	280	3
4	TRCN 23 - 14	26.8	39.4	14.0	11.4	5.1	40	100	140	350	4
5	TRCN 28 - 13	32.8	45.0	13.0	16.4	5.1	45	105	160	325	5
6	TRCN 28 - 20	32.8	45.0	20.0	16.4	5.1	60	130	250	500	6
7	TRCN 40 - 15	44.6	59.0	15.0	27.5	5.1	40	100	140	350	7



Sleeve Cores

**The other specification can be designed & produced also.*



Cylindrical EMI suppression ferrites provide a cost effective means of reducing common and differential mode EMI.

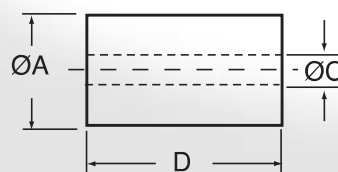
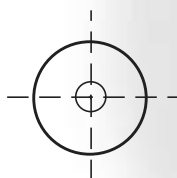
● Ordering Code

K5A	RH	-	11	X	5	X	25
(1)	(2)		(3)		(4)		(5)
(1) Material					(4) C Size		
(2) Type Code					(5) D Size		
(3) A Size							

● Shapes



1ts



EMC Bead

Outline: Ferrite beads have been used as a simple method of increasing the loss in DC current and the Low-Frequency range of AC current. Major applications of ferrite beads include shortening antennas, preventing parasitic oscillation, phase correction, Etc. Now, to enhance the noise immunity of electronic devices, a new magnetic material has been developed and commercialized as EMC bead. Ferrite beads can be broken down into two types, resistive ferrite beads and inductive ferrite beads. The resistive bead series is used to preventing pulse ringing, and is used as the Low-Pass filter; the inductive bead series core is used for shortening the antenna and preventing parasitic oscillation.

Features: Employ High-Performance ferrites with superior frequency characteristic. Compact and high performance. Easy installation.

Application: countermeasures against radiated emissions, for full compliance with FCC regulations and VCCI. Improvement of noise immunity of personal computers, microcomputers, peripheral and relative devices.

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
1	K5A RH 1.6X0.8X5(S)	1.6±0.15	0.8±0.1	5±0.3		33
2	K5A RH 2.45X1.3X2.5	2.45±0.15	1.3±0.1	2.5±0.2		
3	K5A RH 2.5X0.8X3	2.5±0.15	0.8±0.15	3±0.2	20	30
4	K5A RH 2.5X1X3	2.5±0.15	1±0.15	3±0.2	10	30
5	K5A RH 2.85X1.65x3.75	2.85±0.15	1.65±0.15	3.75±0.2	18/50MHz	
6	K5A RH 3X0.8X3	3±0.15	0.8±0.15	3±0.2		
7	K5A RH 3X1X3	3±0.15	1±0.15	3±0.2		
8	K5A RH 3X1.2X3.5	3±0.3	1.2±0.2	3.5±0.3	15	45
9	C8 RH 3.5X0.8X14	3.5±0.15	0.8±0.1	14±0.4		185
10	K5A RH 3.5X0.9X6	3.5±0.15	0.9±0.1	6±0.3	40	70

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
11	C8 RH 3.5X1X14	3.5±0.15	1±0.1	14±0.4		180
12	K5A RH 3.5X1.3X3	3.5±0.15	1.3±0.1	3±0.2	10	20
13	K5A RH 3.5X1.5X5	3.5±0.15	1.5±0.15	5±0.3	20	45
14	C3B RH 3.5X1.5X12	3.5±0.2	1.5±0.1	12±0.4	45	75
15	K5A RH 3.5X1.8X5.9	3.5±0.15	1.8±0.15	5.9±0.3		
16	K5A RH 3.5X2X4	3.5±0.2	2±0.2	4±0.3	10	25
17	K5A RH 3.5X2X6	3.5±0.2	2±0.2	6±0.3	15	30
18	K5A RH 3.8X0.8X8.3	3.8±0.15	0.8±0.1	8.3±0.3		100
19	K5A RH 3.9X1.3X5	3.9±0.15	1.3±0.1	5±0.3		
20	K5 RH 4X0.8X15	4±0.15	0.8±0.1	15±0.4		
21	K5A RH 4X1.5X5	4±0.2	1.5±0.15	5±0.3	20	35
22	K5 RH 4X2X15	4±0.2	2±0.15	15±0.4	50	80
23	K6 RH 4X2X25	4±0.2	2±0.15	25±0.3	90	120
24	K5A RH 4X2.2X6	4±0.2	2.2±0.15	6±0.3	20	40
25	K5A RH 4X2.2X25	4±0.2	2.2±0.15	25±0.6	90	120
26	K5A RH 4.1X0.8X6	4.1±0.2	0.8±0.1	6±0.3	90	
27	K5A RH 4.1X2X6	4.1±0.2	2±0.15	6±0.3	20	30
28	C3B RH 4.2X2X15(R)	4.2±0.2	2±0.15	15±0.4	45	90
29	C3B RH 4.2X2X15(C)	4.2±0.2	2±0.15	15±0.4	45	90
30	K5A RH 4.5X1.5X3.5	4.5±0.2	1.5±0.15	3.5±0.25	15	30
31	K5 RH 4.5X1.5X7	4.5±0.2	1.5±0.10	7±0.3	40	80
32	K5A RH 4.5X2.5X7	4.5±0.2	2.5±0.15	7±0.3	35	65
33	K5A RH 4.5X3X6	4.5±0.2	3±0.2	6±0.3		
34	K5A RH 4.7X2.75X25	4.7±0.2	2.75±0.15	25±0.6		
35	K5A RH 4.8X2.5X3.8	4.8±0.4	2.5±0.2	3.8±0.3	15	50
36	K6 RH 4.9X2X36	4.9±0.2	2±0.15	36±0.8	140	200
37	K5A RH 5X1X10	5±0.2	1±0.15	10±0.4	35	55
38	K5A RH 5X2.15X18	5±0.2	2.15±0.15	18±0.5	80	120
39	K5A RH 5.03X2.34X15	5.08±0.2	2.34±0.15	15±0.4		
40	K5A RH 5.08X2.29X10	5.08±0.2	2.29±0.15	10±0.4	40	65
41	K5A RH 6X2X25	6±0.2	2±0.15	25±0.6	135	200
42	K5A RH 6X2.2X30	6±0.2	2.2±0.15	30±0.7		
43	K5A RH 6X3.2X10	6±0.2	3.2±0.2	10±0.4		50
44	K5A RH 6X3X15	6±0.2	3±0.2	15±0.4		
45	K5A RH 6.35X2.95X25.4	6.35±0.2	2.95±0.15	25.4±0.6	108	200
46	K5A RH 6.35X3.2X12.7	6.35±0.2	3.2±0.2	12.7±0.4	55	102
47	K5A RH 6.4X3.2X10	6.4±0.2	3.2±0.2	10±0.4		50
48	K5A RH 6.5X4X10	6.5±0.2	4±0.2	10±0.4	20	40
49	K5A RH 6.5X4.3X10	6.5±0.25	4.3±0.2	10±0.4	20	45
50	K5A RH 6.5X4.5X10	6.5±0.2	4.5±0.2	10±0.4	15	35
51	K5A RH 6.78X4X14.22	6.78±0.2	4±0.2	14.22±0.4		
52	K5A RH 7.52X2.39X7.54	7.52±0.2	2.39±0.15	7.54±0.3	30	60

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
53	K5A RH 7.65X3.18X4.78	7.65±0.3	3.18±0.2	4.78±0.2	20	45
54	K5A RH 7.8X4X13	7.8±0.2	4±0.2	13±0.4	45	80
55	K5A RH 7.8X5X12.5	7.8±0.2	5±0.25	12.5±0.4	30	60
56	K5A RH 8X3.6X25	8±0.3	3.6±0.2	25±0.6	65	115
57	K5A RH 8X5.3X15	8±0.2	5.3±0.25	15±0.4	40	80
58	K5A RH 8X6X5	8±0.3	6±0.2	5±0.2	10	45
59	K5A RH 8.3X3.6X9.75	8.3±0.2	3.6±0.2	9.75±0.3		
60	K5A RH 8.7X6.3X15.7	8.7±0.2	6.3±0.3	15.7±0.4		80
61	K5A RH 9X5X16	9±0.3	5±0.25	16±0.4	50	80
62	K5A RH 9.05X5X16	9.05±0.3	4.7±0.2	16.2±0.4	60	110
63	K5A RH 9.3X4.5X9.5	9.3±0.3	4.5±0.2	9.5±0.3		
64	K5A RH 9.3X6.35X15.7	9.3±0.3	6.35±0.3	15.7±0.4		
65	K5A RH 9.5X3.05X10.2	9.5±0.3	3.05±0.2	10.2±0.4	50	90
66	K5A RH 9.5X4.7X25	9.5±0.4	4.7±0.2	27±0.6	73	135
67	K5A RH 9.5X5.5X19.5	9.5±0.2	5.5±0.3	19.5±0.6	50	100
68	K5 RH 9.5X4.75X19.05	9.5±0.3	4.75±0.2	19.05±0.4	60	100
69	K5A RH 9.5X4.75X25.4	9.5±0.3	4.75±0.2	25.4±0.6	75	135
70	K5A RH 9.5X4.8X14.5	9.5±0.3	4.8±0.2	14.5±0.4	53	75
71	K5A RH 9.5X5X14.5	9.5±0.3	5±0.25	14.5±0.4	50	100
72	K5A RH 9.5X5.2X9.5	9.5±0.3	5.2±0.25	9.5±0.4	35	65
73	K5A RH 9.65X5.02X10.4	9.65±0.3	5.02±0.25	10.4±0.4	30	60
74	K5A RH 9.7X3.8X10.2	9.7±0.3	3.8±0.2	10.2±0.4	60	100
75	K5A RH 9.8X1X11.5	9.8±0.2	1±0.15	11.5±0.3	120	200
76	K5A RH 9.8X6.3X15.7	9.8±0.3	6.35±0.3	15.7±0.4	45	65
77	K5A RH 9.8X6.35X13.5	9.8±0.3	6.35±0.25	13.5±0.4	30	60
78	K5A RH 10X4.25X19.5	10±0.35	4.25±0.3	19.5±0.5	80	120
79	K5A RH 10X5X25	10±0.3	5±0.25	25±0.6	125	160
80	K5A RH 10X5.5X25	10±0.3	5.5±0.25	25±0.6	90	160
81	K5A RH 10X6X14	10±0.3	6±0.3	14±0.4	35	75
82	K5A RH 10X6.15X6.2	10±0.3	6.15±0.3	6.2±0.3	45	85
83	K5A RH 10X6.5X20	10±0.4	6.5±0.25	20±0.6	40	90
84	K5A RH 10X7X10	10±0.3	7±0.3	10±0.4	20	40
85	K5A RH 10X7.3X7.5	10±0.3	7.3±0.2	7.5±0.2	13	28
86	K5A RH 10.5X5.5X20	10.5±0.3	5.5±0.25	20±0.5	65	120
87	K5A RH 10.5X6X20	10±0.4	6±0.3	20±0.6	50	90
88	K5A RH 10.5X6.5X20	10.5±0.3	6.5±0.3	20±0.5	40	80
89	K5A RH 11X5X25	11±0.3	5±0.25	25±0.6	115	180
90	K5A RH 11.3X5.95X12	11.3±0.3	5.95±0.25	12±0.4	40	70
91	K5A RH 11.5X4.9X20	11.5±0.5	4.9±0.25	20±0.6	100	200
92	K5A RH 11.5X4.9X25	11.5±0.3	4.9±0.25	25±0.5	85	120
93	K5A RH 11.8X5X15	11.8±0.3	5±0.3	15±0.4	40	80
94	K5A RH 11.8X7.3X15	11.8±0.3	7.3±0.3	15±0.4	40	75

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
95	K5A RH 11.86X7.4X15	11.86±0.3	7.4±0.3	15±0.4	35	75
96	K5A RH 12X3.7X19.2	12±0.3	3.7±0.2	19.2±0.6	60	120
97	K5A RH 12X3.7X23.5	12±0.3	3.7±0.2	23.5±0.6	95	160
98	K5A RH 12X4X23	12±0.3	4±0.2	23±0.5	160	230
99	K5A RH 12X4.5X25	12±0.3	4.5±0.2	25±0.4	125	204
100	K5A RH 12X5.6X20	12±0.3	5.6±0.25	20±0.5	100	200
101	K5A RH 12X5.6X25	12±0.4	5.6±0.3	25±0.6	80	120
102	K5A RH 12X6X20	12±0.3	6±0.3	20±0.5	60	110
103	K5A RH 12X8X13	12±0.3	8±0.3	13±0.4	35	75
104	K5A RH 12X8X22.8	12±0.3	8±0.25	22.8±0.6	40	80
105	K5A RH 12X8.5X15	12±0.3	8.5±0.3	15±0.4	30	50
106	K5 RH 12X8.5X20	12±0.3	8.5±0.2	20±0.4	30	60
107	K5A RH 12.3X5X12.7	12.3±0.3	5±0.25	12.7±0.4	60	120
108	K5A RH 12.7X7.9X12.7	12.7±0.3	7.9±0.3	12.7±0.4	30	60
109	K5A RH 13X5X18	13±0.3	5±0.25	18±0.5	50	100
110	K5A RH 13X5X20	13±0.3	5±0.25	20±0.5	90	140
111	P3 RH 13X7X15	13±0.3	7±0.3	15±0.4	75	140
112	K5A RH 13X7.3X12.7	13±0.4	7.3±0.2	12.7±0.4	30	60
113	K5 RH 13X8.5X25	13±0.3	8.5±0.2	25±0.6	40	80
114	K5A RH 14X6.8X15	14±0.4	6.8±0.3	15±0.4	65	120
115	K5A RH 14X7.8X15	14±0.4	7.8±0.3	15±0.4	35	70
116	K5A RH 14.2X4.5X20	14.2±0.4	4.5±0.3	20±0.5	100	170
117	K5A RH 14.2X4.5X28.5	14.2±0.4	4.5±0.3	28.5±0.8	120	280
118	K5A RH 14.2X6.35X28.5	14.2±0.4	6.35±0.6	28.5±0.6	100	190
119	K5A RH 14.2X6.35X36	14.2±0.4	6.35±0.6	36±0.8	150	280
120	K5A RH 14.2X6.5X15	14.2±0.4	6.5±0.3	15±0.4	50	90
121	K5A RH 14.2X7.2X28.5	14.2±0.4	7.2±0.3	28.5±0.6	130	210
122	K5A RH 14.2X7X28.5	14.2±0.4	7±0.3	28.5±0.6	100	120
123	K5A RH 14.2X7.2X12.7	14.2±0.3	7.2±0.3	12.7±0.4	40	60
124	K5A RH 14.2X8X23.5	14.2±0.4	8±0.3	23.5±0.5	65	135
125	K5A RH 14.2X8X28.5	14.2±0.4	8±0.3	28.5±0.6	60	150
126	K5A RH 14.2X9.15X28.5	14.2±0.4	9.15±0.3	28.5±0.6	100	170
127	K5A RH 14.2X9X15	14.2±0.4	9±0.3	15±0.4	50	100
128	K5A RH 14.3X6.35X23.3	14.3±0.4	6.35±0.3	23.3±0.5	100	180
129	K5A RH 14.3X9.15X28.5	14.3±0.4	9.15±0.3	28.5±0.6	75	120
130	K5A RH 14.3X9X28.5	14.3±0.4	9±0.3	28.5±0.6	75	120
131	K5A RH 14.5X10.5X8	14.5±0.4	10±0.4	8±0.3	18	45
132	K5A RH 15.7X10.5X28.5	15.7±0.4	10.5±0.3	28.5±0.6	60	100
133	K5A RH 15.7X7.3X28.5	15.7±0.4	7.3±0.3	28.5±0.6	90	180
134	K5A RH 15.7X7.5X28.5	15.7±0.4	7.5±0.3	28.5±0.6	90	180
135	K5A RH 15.88X8X28.5	15.88±0.4	8±0.3	28.5±0.6	100	160
136	K5A R3H 16X5X28	16±0.4	5±0.3	28±0.8	90	160

Sleeve Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.	
					25MHz	100MHz
137	K5A RH 16X8X16	16±0.4	8±0.3	16±0.4	55	110
138	K5A RH 16X9X17	16±0.4	9±0.3	17±0.4	50	80
139	K5A RH 16X9X28	16±0.4	9±0.3	28±0.6	80	150
140	K5A RH 16X10.5X28	16±0.4	10.5±0.3	28±0.6		100
141	K5A RH 17.07X8.76X25.4	17.07±0.4	8.76±0.3	25.4±0.6	90	130
142	K5A RH 17.2X7X28.5	17.2±0.4	7±0.3	28.5±0.6	140	230
143	K5A RH 17.2X7.1X28	17.2±0.4	7.1±0.3	28±0.8	120	180
144	P2M RH 17.5X7X25.4	17.5±0.4	7±0.3	25.4±0.6	110	200
145	K5A RH 17.5X9.5X12.7	17.5±0.5	9.5±0.3	12.7±0.4	50	150
146	K5A RH 17.5X9.5X28.5	17.5±0.4	9.5±0.3	28.5±0.6	85	145
147	K5A RH 17.5X9.5X35	17.5±0.4	9.5±0.3	35±0.8	120	200
148	K5A RH 17.5X10.5X24	17.5±0.4	10.5±0.4	24±0.6	85	130
149	K5A RH 17.5X10.5X28.5	17.5±0.4	10.5±0.4	28.5±0.6	60	120
150	K5A RH 17.5X10X28.5	17.5±0.4	10±0.4	28.5±0.6	100	240
151	K5A RH 17.5X11X28.5	17.5±0.4	11±0.4	28.5±0.6	80	130
152	K5A RH 17.5X11.5X28.5	17.5±0.5	11.5±0.2/-0.6	28.5±0.8	60	110
153	K5A RH 17.5X12.8X28.5	17.5±0.5	12.8±0.4	28.5±0.8	40	80
154	K5A RH 18X10.5X18	18±0.5	10.5±0.3	18±0.5	45	90
155	K5A RH 18.2X9.7X28.2	18.2±0.5	9.7±0.3	28.2±0.6	104	192
156	K5A RH 18.4X9.6X12	18.4±0.4	9.6±0.3	12±0.4	40	60
157	K5A RH 18.5X12.6X28.5	18.5±0.5	12.6±0.5	28.5±0.6	50	80
158	K5A RH 18.7X10.2X28.2	18.7±0.5	10.2±0.4	28.2±0.6	70	130
159	K5A R3H 19X6X28	19±0.4	6±0.3	28±0.8	90	160
160	K5A RH 19X10X10	19±0.4	10±0.3	10±0.3	39	73
161	K5A RH 19X13X29	19±0.5	13±0.4	29±0.6	60	110
162	K5A RH 19.2X11.6X28.6	19.2±0.5	11.6±0.4	28.6±0.6	76	118
163	K5A RH 20X10X28	20±0.5	10±0.3	28±0.8	95	150
164	K5A RH 20.7X12X28.5	20.7±0.6	12±0.4	28.5±0.6	85	160
165	K5A RH 21X10X30	21±0.5	10±0.4	30±0.8	100	150
166	K5A RH 22X14X28	22±0.6	14±0.5	28±0.8	60	120
167	K5A RH 25.9X12.3X29	25.9±0.6	12.3±0.4	29±0.6	90	180
168	K5A RH 25.9X12.7X29	25.9±0.6	12.7±0.4	29±0.6	120	240
169	K5A RH 26X13X28.5	26±0.6	13±0.4	28.5±0.6	116	180
170	K5A RH 26X14X28.5	26±0.6	14±0.4	28.5±0.6	90	180
171	K5A RH 27X10X30	27±0.5	10±0.3	30±0.9	95	150
172	K5A RH 28X14X28	28±0.6	14±0.4	28±0.6	110	180
173	K5A RH 28X16X28.5	28±0.6	16±0.4	28.5±0.6	110	220
174	K5A RH 28X18X28.5	28±0.6	18±0.4	28.5±0.6	75	140

Toroidal Cores

**The other specification can be designed & produced also.*



Toroidal cores provide high performance when wound and used as cores for transformers, inductors, or chokes.

● Ordering Code

$\frac{K5A}{(1)}$	$\frac{T}{(2)}$	$\frac{6}{(3)}$	$\frac{X}{(4)}$	$\frac{3}{(5)}$	$\frac{X}{(6)}$	$\frac{3}{(7)}$
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(1) Material	(4) C Size
(2) Type Code	(5) D Size
(3) A Size	

Toroidal Cores

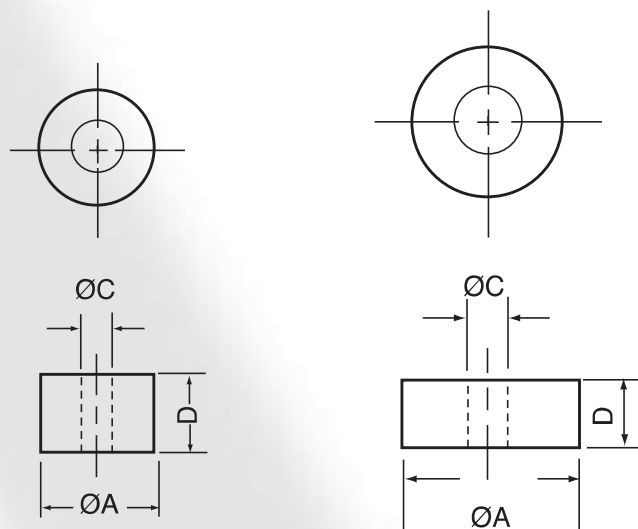
Outline: The key to suppressing radiated noise emissions generated by electronic equipment and systems is successful application of effective common-mode countermeasures at data lines. It could be used with series data lines, the data line is wrapped around the filter cores. Located between the CPU and terminal, they dramatically reduce electromagnetic noise.

Features: Minimal effect on transmission waveforms. Provide low cost noise countermeasures right at the data lines. Can be added as First-Aid, On-The Spot countermeasures when equipment or devices fail.

Application: Computers, peripherals and terminals data, Terminal equipment. NC machines. Measuring equipment, equipment using sensors. OA equipment, Plain paper copiers. Improvement of noise immunity for TVs, FM/AM Tuners, VTRs/VCRs. Harness noise countermeasures for automobiles. ISDN terminal equipment.

Applications: LAN matching and isolation transformers. LAN common mode chokes. Power supply common chokes. Inductors. Current sensing transformers. DC-DC converters. Telecommunications transformers. Lighting Ballasts. EMI filters.

● Shapes



Toroidal Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics							
Unit : mm							
NO	ITEM	ØA	ØC	D	Impedance (Ω) min.		AL(nH)
					25MHz	100MHz	
1	K5A T 3.2 X 1.25 X 3	3.2±0.15	1.25±0.1	3±0.2			368
2	K6 T 4 X 2 X 3	4±0.2	2±0.15	3±0.2		16	600
3	K6 T 4.1 X 2 X 3	4.1±0.2	2±0.15	3±0.2		15	620
4	K5A T 4.5 X 1.5 X 3.5	4.5±0.2	1.5±0.15	3.5±0.2	70	100	490
5	K6 T 4.8 X 2.8 X 1.5	4.8±0.2	2.8±0.2	1.5±0.2			12 min
6	K6 T 5 X 1.5 X 4	5±0.2	1.5±0.15	4±0.3			1292
7	K5A T 5 X 3 X 2	5±0.2	3±0.2	2±0.2			140
8	K5A T 5.08 X 2.36 X 4.8	5.08±0.2	2.36±0.15	4.8±0.3	310	490	491
9	K5A T 6 X 1.8 X 3	6±0.2	1.8±0.15	3±0.2			453
10	K6 T 6 X 3 X 2	6±0.2	3±0.2	2±0.2			400
11	K6 T 6 X 3 X 3	6±0.2	3±0.2	3±0.2			10
12	K5A T 7 X 3.5 X 4	7±0.2	3.5±0.2	4±0.3	15	45	373
13	K6 T 7.62 X 3.18 X 4.78	7.62±0.2	3.18±0.2	4.78±0.3	25	50	1179
14	K6 T 8 X 4 X 4	8±0.2	4±0.2	4±0.3			800
15	K6 T 9 X 5 X 3	9±0.3	5±0.25	3±0.2	15	45	514
16	K5 T 9.15 X 5.02 X 4.7	9.15±0.3	5.02±0.25	4.7±0.3		35	548
17	P3 T 9.35 X 4.75 X 3.2	9.35±0.3	4.75±0.25	3.2±0.2		50	43
18	K5A T 9.5 X 4.75 X 4.8	9.5±0.3	4.75±0.2	4.8±0.3		30	448
19	K5A T 9.5 X 4.79 X 5	9.5±0.3	4.79±0.2	5±0.3			461
20	K5A T 9.5 X 5 X 5	9.5±0.3	5±0.3	5±0.3	20	35	434
21	K5A T 9.5 X 5.02 X 5	9.5±0.3	5.02±0.3	5±0.3	20	35	432
22	K5A T 9.53 X 5.02 X 4.8	9.53±0.3	5.02±0.25	4.8±0.3		30	595
23	K5A T 9.58 X 6.4 X 5	9.58±0.3	6.4±0.3	5±0.3			279
24	K5A T 9.65 X 5 X 5.05	9.65±0.3	5±0.25	5.05±0.3	21	43	449
25	K6 T 9.65 X 5.02 X 4.83	9.65±0.3	5.02±0.25	4.83±0.2	10	30	
26	K5A T 10 X 5 X 5	10±0.3	5±0.25	5±0.3	25	55	467
27	P1B T 10 X 5.1 X 9	10±0.3	5.1±0.25	9±0.3	30	60	643
28	K6 T 10 X 6 X 4	10±0.3	6±0.3	4±0.3			600
29	K5A T 10 X 7 X 5	10±0.3	7±0.3	5±0.3	15	40	247
30	K6 T 12 X 6 X 6	12±0.3	6±0.3	6±0.3			
31	K5A T 12 X 7 X 5.5	12±0.3	7±0.3	5.5±0.3	15	40	405
32	K5A T 12.7 X 7.9 X 6.35	12.7±0.3	7.9±0.3	6.35±0.3	21	42	414
33	K5A T 13 X 7 X 3	13±0.3	7±0.3	3±0.2	15	30	252
34	K6 T 13 X 7.3 X 12.7	13±0.3	7.3±0.3	12.7±0.4			
35	K5A T 13 X 8 X 12.7	13±0.3	8±0.3	12.7±0.3		30	847
36	K5A T 14 X 8.7 X 7	14±0.4	8.7±0.3	7±0.3	25	45	458
37	K5A T 14 X 10 X 5.5	14±0.4	10±0.3	5.5±0.3	12	40	
38	K5A T 14.2 X 4.5 X 6	14.2±0.4	4.5±0.4	6±0.3	35	85	1245
39	K5A T 14.2 X 6.35 X 13.8	14.2±0.4	6.35±0.3	13.8±0.4	60	100	1476
40	K5A T 14.5 X 10.5 X 8	14.5±0.4	10.5±0.4	8±0.3	15	45	358
41	K5A T 15.7 X 10 X 4.3	15.7±0.4	10±0.4	4.3±0.3	15	35	267
42	K5A T 15.9 X 7.9 X 14.3	15.9±0.4	7.9±0.3	14.3±0.4	60	100	1346

Toroidal Cores

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

Unit : mm

NO	ITEM	ØA	ØC	D	Impedance (Ω) min.		AL(nH)
					25MHz	100MHz	
43	K5A T 16 X 8 X 13	16±0.4	8±0.3	13±0.4	45	90	1213
44	K5A T 16 X 10 X 5	16±0.4	10±0.4	5±0.3			323
45	K6 T 16 X 12 X 8	16±0.4	12±0.4	8±0.3	20	30	686
46	K5A T 16.5 X 8.2 X 13	16.5±0.4	8.2±0.3	13±0.4	45	100	1223
47	K5A T 17.4 X 9.6 X 15	17.4±0.4	9.6±0.3	15±0.4			1213
48	K5A T 17.5 X 9.5 X 12.7	17.5±0.4	9.5±0.3	12.7±0.4	45	70	1054
49	C8 T 18 X 7 X 3	18±0.5	7±0.3	3±0.2			106
50	K5A T 18.3 X 10 X 10	18.3±0.5	10±0.4	10±0.4	30	80	
51	K5A T 18.4 X 9.5 X 15	18.4±0.5	9.5±0.3	15±0.4	50	85	1340
52	K5A T 18.4 X 9.6 X 12	18.4±0.5	9.6±0.3	12±0.4	45	80	1056
53	K5A T 18.7 X 10.2 X 17	18.7±0.5	10.2±0.4	17±0.4	45	80	1400
54	K5A T 20 X 10 X 10	20±0.6	10±0.4	10±0.4	40	75	933
55	K5A T 20.7 X 12 X 14	20.7±0.6	12±0.4	14±0.4	140	250	980
56	K5A T 21 X 13.2 X 12	21±0.6	13.2±0.4	12±0.4	30	65	776
57	K5A T 21 X 15 X 12	21±0.6	15±0.5	12±0.4	25	50	
58	K5A T 22 X 13.5 X 8	22±0.6	13.5±0.4	8±0.3	30	60	536
59	K5A T 22 X 14 X 8	22±0.6	14±0.4	8±0.3	30	60	498
60	K5A T 22.5 X 13.8 X 6.4	22.5±0.6	13.8±0.4	6.4±0.3	15	45	
61	K5A T 22.5 X 13.8 X 12.8	22.5±0.6	13.8±0.4	12.8±0.4	40	80	
62	K5A T 23 X 6.35 X 13.5	23±0.6	6.35±0.3	13.5±0.4			1809
63	K5A T 23 X 11 X 14	23±0.6	11±0.4	14±0.4	60	110	1384
64	K5A T 23 X 13.5 X 6.35	23±0.6	13.5±0.4	6.35±0.3	15	45	463
65	K5A T 23 X 13.8 X 5.5	23±0.6	13.8±0.4	5.5±0.3	17	34	
66	K6 T 23.5 X 12.6 X 9.4	23.5±0.6	12.6±0.4	9.4±0.3	60	120	1703
67	K5A T 24 X 11 X 14	24±0.6	11±0.4	14±0.4	45	85	1456
68	K5A T 24 X 14 X 11	24±0.6	14±0.4	11±0.4	35	63	
69	K5A T 25 X 15 X 8.1	25±0.6	15±0.4	8.1±0.3			
70	K5A T 25 X 15 X 12	25±0.6	15±0.6	12±0.4	35	80	467
71	K5A T 27 X 14.5 X 11	27±0.6	14.5±0.4	11±0.4	30	65	
72	K5A T 28 X 16 X 13	28±0.6	16±0.3	13±0.4	40	80	993
73	K5A T 29 X 19 X 7.5	29±0.6	19±0.5	7.5±0.3	20	50	438
74	K5A T 29 X 19 X 8.1	29±0.6	19±0.5	8.1±0.3			
75	K5A T 31 X 19 X 8	31±0.9	19±0.5	8±0.3	25	60	
76	K5A T 31.75 X 19.05 X 16	31.75±0.8	19.05±0.5	16±0.4	50	90	
77	K5A T 31.75 X 19.05 X 22.5	31.75±0.8	19.05±0.5	22.5±0.6	60	90	
78	K5A T 35.6 X 23 X 12.7	35.6±0.8	23±0.6	12.7±0.4	25	90	765
79	K5A T 35.6 X 25.4 X 7.5	35.6±0.8	25.4±0.6	7.5±0.2	25	90	351
80	K5A T 36 X 25 X 16	36±1	25±0.8	16±0.5	30	80	
81	K5A T 40.6 X 27 X 15	40.6±1	27±0.6	15±0.4	35	85	845
82	K5A T 40.6 X 27.5 X 15	40.6±1	27.5±0.6	15±0.4	35	85	808
83	K5A T 61.4 X 36 X 12.8	61.4±1	36±0.75	12.8±0.4	45	80	

Multiline Beads Mount Filters

**The other specification can be designed & produced also.*



Multi-Line Board Mount Filters

Electronica Rossoni multi-line ferrite S8H $\frac{11}{(1)}$ X $\frac{11}{(2)}$ X $\frac{10}{(3)}$ X $\frac{10}{(4)}$ products provide economical EMI filtering of differential mode noise in surface mount and through-hole PCB applications.

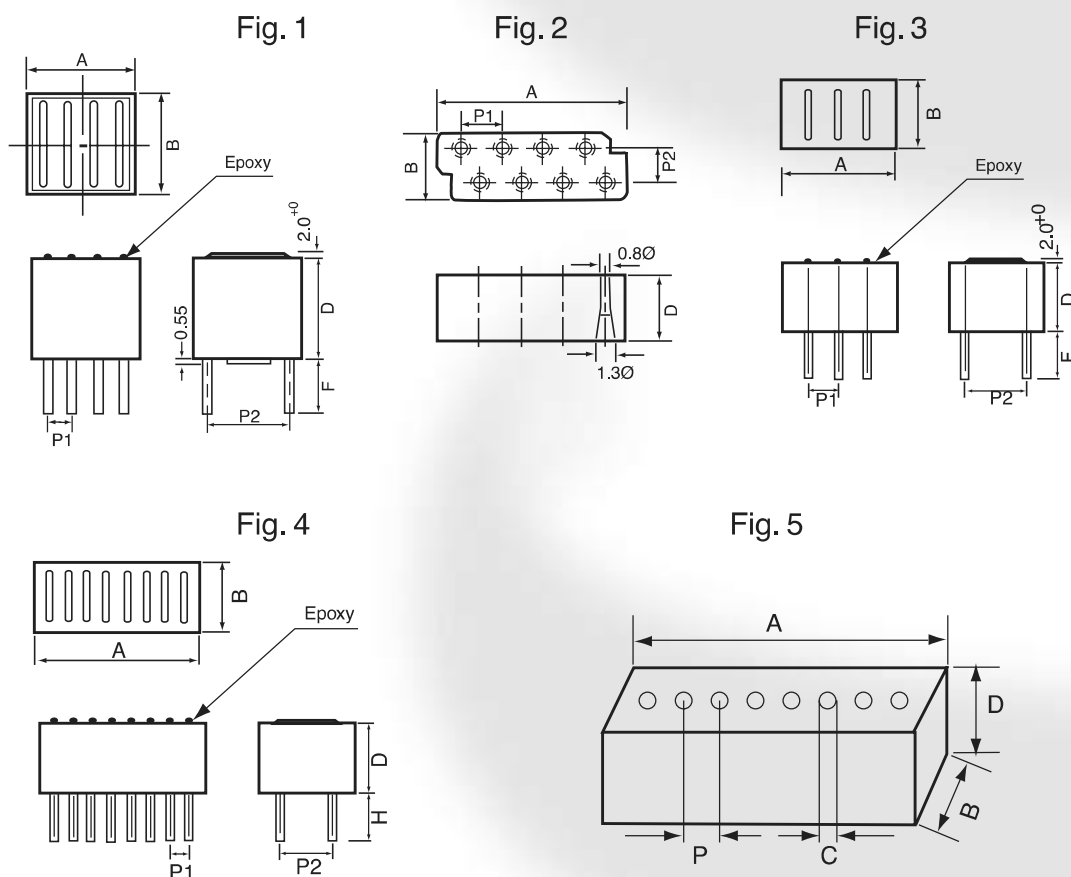
● Ordering Code

(1) Type Code (3) B Size
(2) A Size (4) D Size

Features: Multiple single printed circuit beads or multi-turn printed circuit beads are available in various materials. Cores are supplied with tinned copper jumper wires, which complete the desired winding configuration on the printed circuit board.

Applications: Filtering DC power to external peripherals. Filtering low frequency in put/out put signals of shielded enclosures. Data Bus filter. Applications where low DCR is needed.

● Shapes

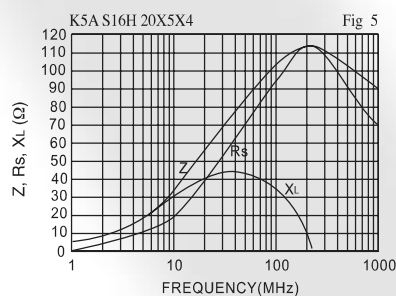
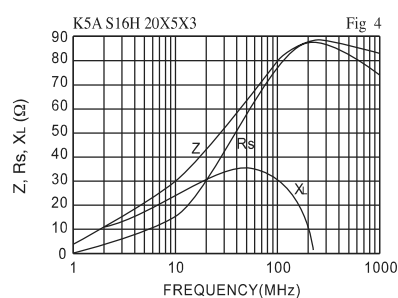
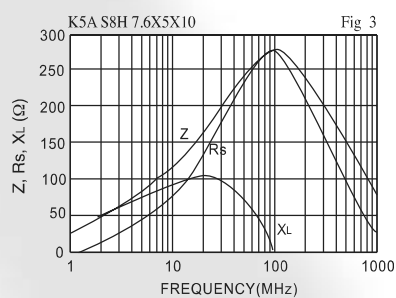
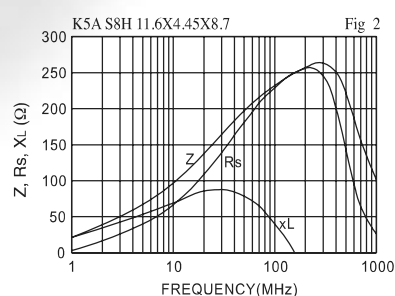
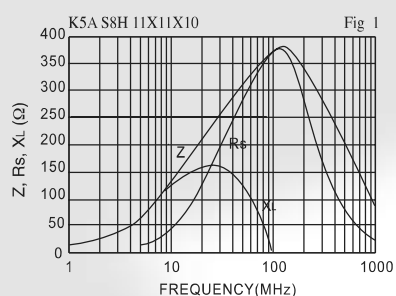


Multiline Beads Mount Filters

**The other specification can be designed & produced also.*

● Dimensions & Characteristics

No	Item	Fig	Unit: mm						Impedance(Ω) min.		(Z, R _s , X _L)-f Curve Fig.
			A	B	D	F	P1	P2	25MHz	100MHz	
1	S8H 11x11x10	1	10.8±0.3	10.8±0.3	10.15±0.25	3.2 ^{+0.4} ₋₀	2.54±0.2	7.62±0.2	190	300	1
2	S8H 11.6x4.45x8.7	2	11.55±0.05	4.45±0.15	8.7±0.2		2.54±0.15	2.54±0.15	90	155	2
3	S6H 7.6x5x10	3	7.6±0.25	5±0.25	10±0.3	5.3±0.3	2.54±0.2	2.54±0.2	150	226	3
4	S16H 20x5x3	4	20±0.3	5±0.3	3±0.2	2.54±0.2	2.54±0.2	3±1.0	40	64	4
5	S16H 20x5x4	4	20±0.3	5±0.3	4±0.2	2.54±0.2	2.54±0.2	4±1.0	45	80	4
6	S8H 11x5.5x10	1	10.88±0.3	5.49±0.25	10±0.3	3.19±0.3	2.54±0.2	2.54±0.2	160	200	1
7	S8H 20.3x4x5.75	1	20.3±0.5	4±0.2	5.75±0.3		2.54±0.15		60	130	5



Surface Mount Beads

**The other specification can be designed & produced also.*



● Ordering Code

SMB 03 56 25 45 - 2H
(1) (2) (3) (4) (5) (6)

(1) Type Code (4) B Size
(2) Design Code (5) D Size
(3) A Size (6) 2 Hole

Outline: Elettronica Rossoni could provide several sizes of mount beads and common-mode surface mount beads. The common-mode surface mount bead provides a common part for the magnetic flux generated by the current to the load and the return current from the load. The current compensation results in zero magnetic flux in the core.

Features: Taped SM Beads are supplied taped and reeled per EIA standard.

Application: Computer disk drive and PC Board to filter the EMI from outside source. Car radio, mobile phone and VCRS.

● Dimensions & Characteristics

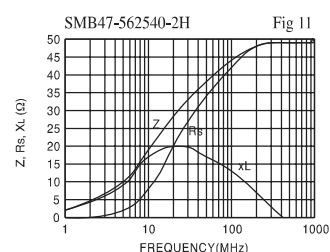
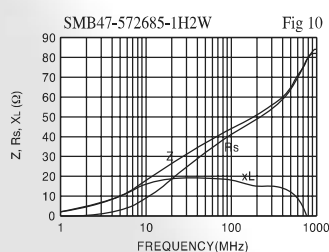
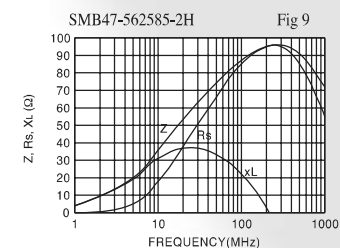
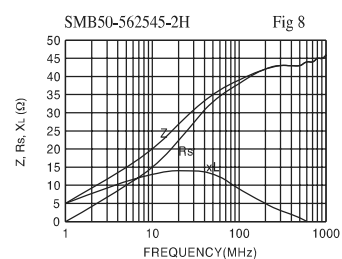
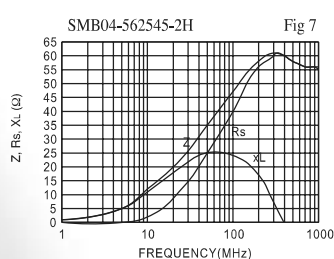
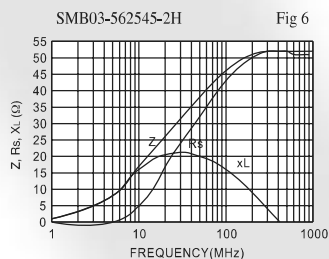
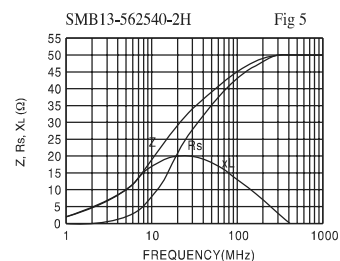
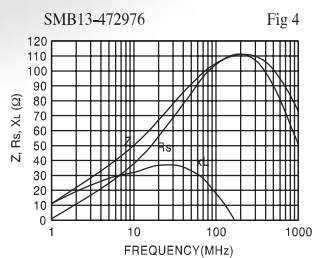
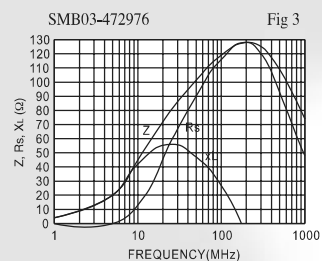
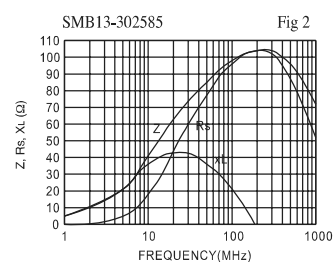
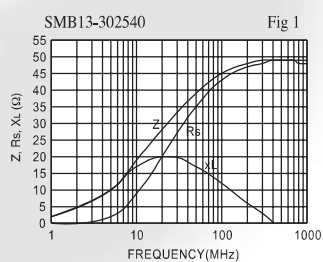
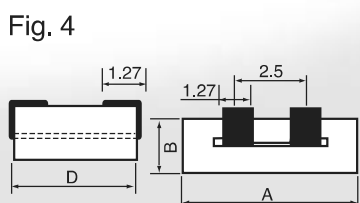
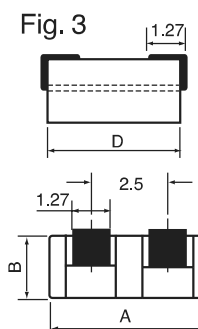
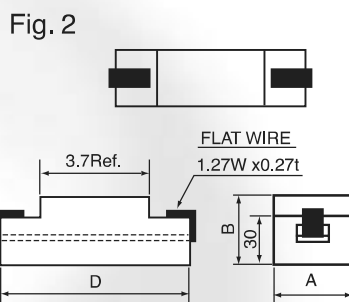
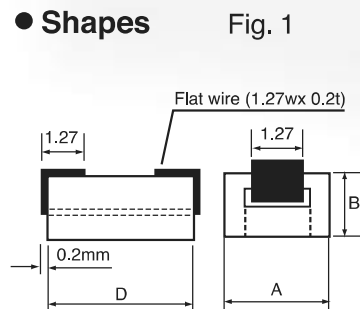
Unit: mm

NO	ITEM	Fig	A	B	D	Impedance(Ω) min.		(Z,Rs,XL)-f Curve Fig.
						25MHz	100MHz	
1	SMB 13-302540	1	3.18 ⁺⁰	2.67 ⁺⁰	4±0.25	24	36	1
2	SMB 13-302585	1	3.18 ⁺⁰	2.67 ⁺⁰	8.5±0.25	48	72	2
3	SMB 03-472976	2	5 ⁺⁰ -0.5	3.45 ⁺⁰ -0.3	7.6±0.1	60	90	3
4	SMB 13-472976	2	5 ⁺⁰ -0.5	3.45 ⁺⁰ -0.3	7.6±0.1	58	80	4
5	SMB 13-562540-2H	3	5.6±0.2	2.5±0.2	4±0.25	22	35	5
6	SMB 03-562545-2H	3	5.6±0.2	2.5±0.2	4.5±0.25	24	36	6
7	SMB 04-562545-2H	3	5.6±0.2	2.5±0.2	4.5±0.25	18	36	7
8	SMB 50-562545-2H	3	5.6±0.2	2.5±0.2	4.5±0.25	24	32	8
9	SMB 47-562585-2H	3	5.6±0.2	2.5±0.2	8.5±0.25	48	70	9
10	SMB 47-572685-1H2W	4	5.7 ^{+0.1} -0.2	2.6 ^{+0.1} -0.2	8.47±0.1	24	35	10
11	SMB 47-562540-2H	3	6±0.2	2.5±0.2	4±0.25	24	35	11
12	SMB 03-311552	1	3.1±0.2	1.48±0.215	5.2±0.25			
13	SMB 03-472978	1	4.75±0.2	2.9±0.2	7.8±0.25			

Surface Mount Beads

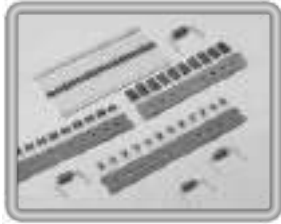
**The other specification can be designed & produced also.*

● Shapes



Beads Cores

**The other specification can be designed & produced also.*



Bead Cores (Axial Lead Ferrite Beads)

Eletronica Rossoni two-terminal axial ferrite beads provide economical filtering for differential mode EMI Suppression applications. Constructed using a continuous gauge conductor, these devices are able to

withstand high peak currents. Beads are supplied assembled onto tinned copper wire to aid automated circuit assembly.

● Ordering Code

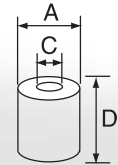
FBS	13	35	08	60	T5	- R
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(1) Type Code	(2) Design Code	(3) A Size	(4) C Size	(5) D Size		

Bead inductors

Outline: Bead inductor are axial and radial lead Data-line filters, which can be used in automated part insertion lines. Both types Provide effective countermeasures not only against noise radiation but also against equipment multifunction.

Features: Employ highperformance ferrites with superior frequency characteristics.

Application: prevent intrusion and radiation of unnecessary signals into the clock pulse oscillation section. Prevent spike noise. Prevent intrusion of unnecessary signals and radiated emission noises into various interfaces, except those for RGB and composite signals.



(6) Lead - Configuration

FBS		FBD	
T5 	UT 	WT 	
T2 	FD 	WB 	
VT 	FE 	FBR 	
RT 	FF 	ST 	
	ST 	SB 	
	RB 	UB 	

Beads Cores

*The other specification can be designed & produced also.

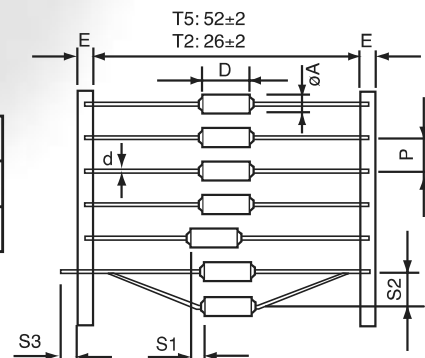
(7) Packing

R: T5 Quantity: 5,000 PCS/BOX	M: VT, RT, UT, WT, ST. Quantity: 2,000 PCS/BOX	Z: T5, T2 T5:75 T2:50	B: BULK
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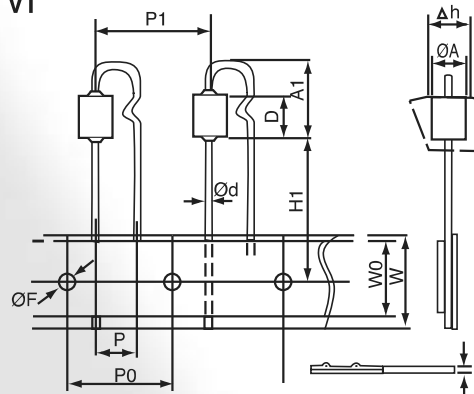
● Tapping Dimensions

T5,T2

ϕA	D	d	E	P	S1	S2	S3
3.5	8	0.65	6	5	1.2	2	0.5
± 0.15	± 0.2	± 0.03	± 1	± 0.5	max	max	max



VT



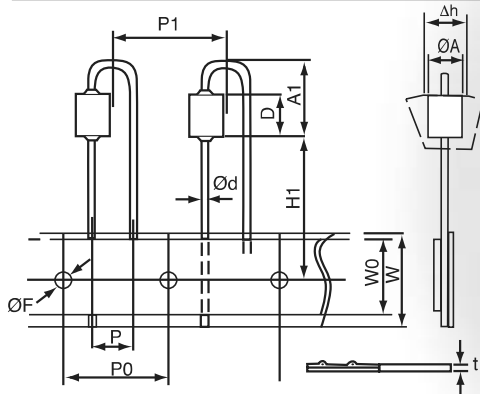
A1	ϕF	H1	P1	P0	P	W	W0	d	t	Δh
9^{+0}	4	$20^{+0.5}_{-1.0}$	$12.7^{+1.0}$	$12.7^{+0.3}$	$5^{+1.0}$	$18^{+1.0}$	12.5^{-0}	$0.65^{+0.05}$	$0.7^{+0.2}$	0^{+2}

Beads Cores

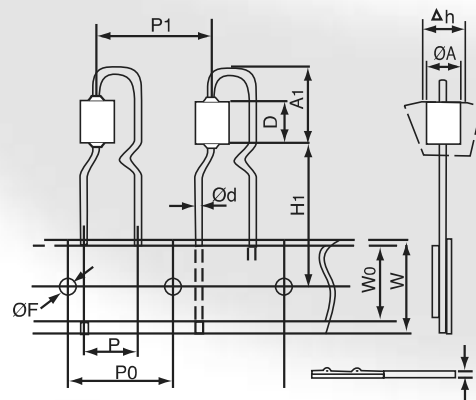
*The other specification can be designed & produced also.

UT

A1	øF	H1	P1	P0	P	W	W0	d	t	Δh
9 ⁺⁰	4	20 ^{+0.5} _{-1.0}	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{±1.0}	18 ^{+1.0} _{-0.5}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

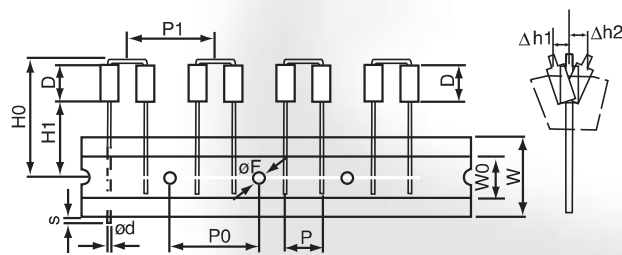


RT



A1	øF	H1	P1	P0	P	W	W0	d	t	Δh
12.5 ⁺⁰ 16 ⁺⁰	4	16.5 ^{+0.5}	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{±1.0}	18 ^{+1.0} _{-0.5}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

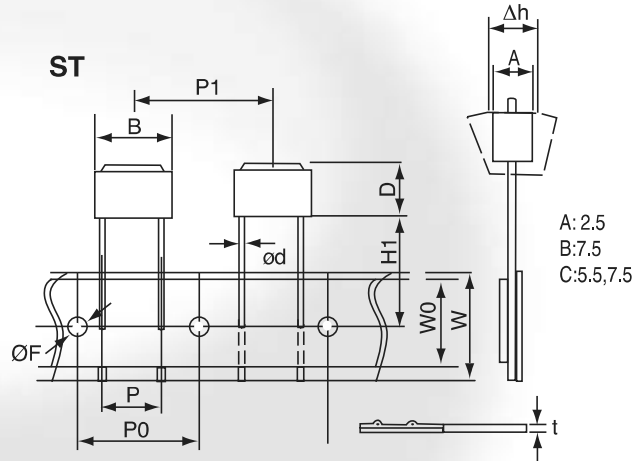
WT



A	D	øF	ød	G	H0	H1	P0	P1	W	W0	Δh1	Δh2	t	s
3.5	6	4	0.65	5	25	18	12.7	12.7	18	13	1	1	0.7	0.5
±0.15	±0.3	±0.3	±0.03	^{+0.8} _{-0.3}	max	±1	±0.2	/	±1	±1	max	max	±0.2	max

Beads Cores

*The other specification can be designed & produced also.



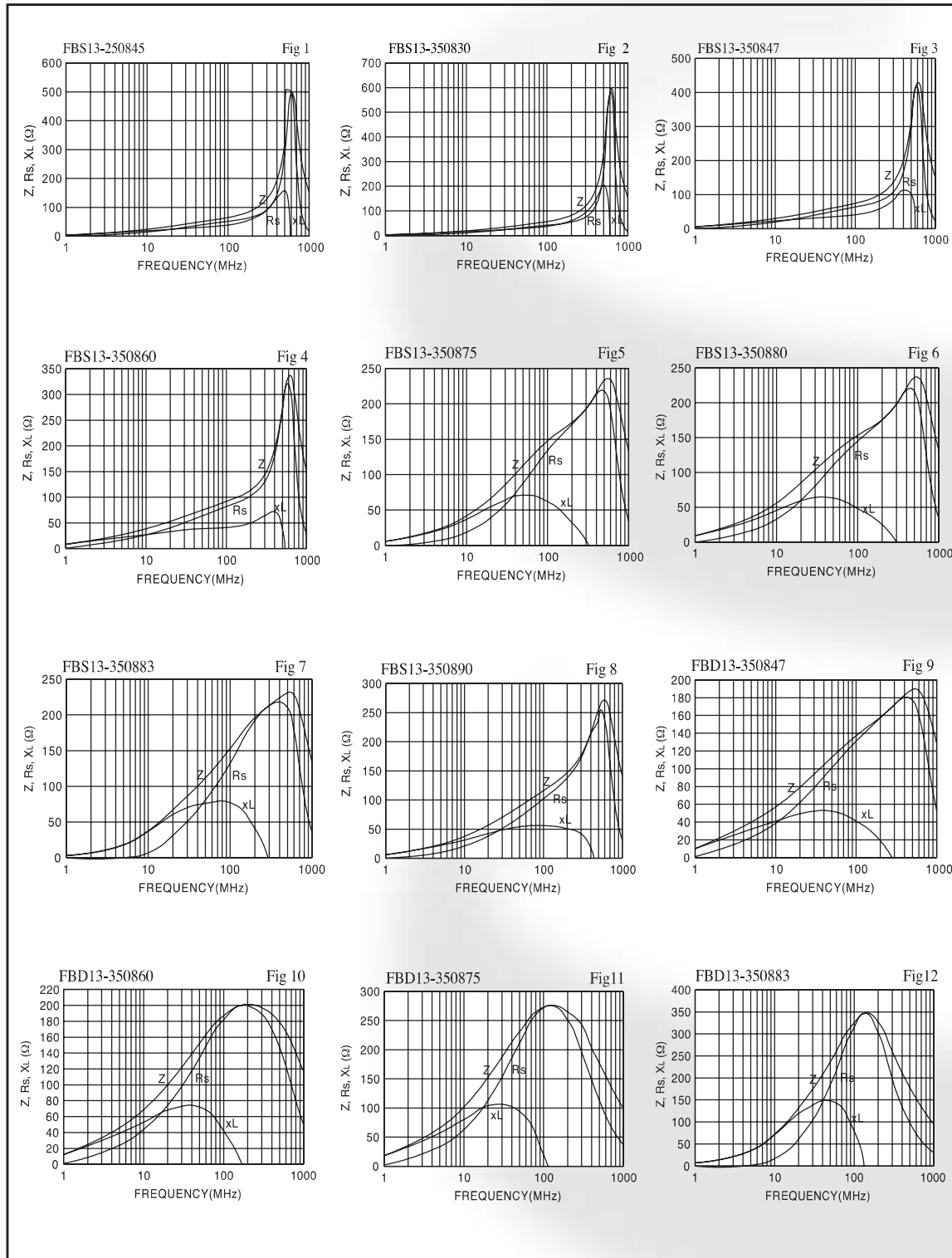
ØF	H1	P1	P0	P	W	W0	d	t	Δh
4	18 ^{+2.0} ₋₀	12.7 ^{±1.0}	12.7 ^{±0.3}	5 ^{+1.0} _{-0.5}	18 ^{+1.0} _{-0.5}	12.5 ⁻⁰	0.65 ^{±0.05}	0.7 ^{±0.2}	0 ^{±2}

• Item & Characteristics

NO	TYPE	Material	Core Size	Lead Configuration	Impedance (Ω) min		(Z,Rs,XL)-f Curve Fig
					25MHz	100MHz	
1	FBS	13	250845	T5,T2,VT,RT,UT, VB,RB,UB,ST FD,FE,FF	32	50	1
2		13	350830		25	45	2
3		13	350847		35	60	3
4		13	350860		45	72	4
5		13	350875		60	120	5
6		13	350880		75	123	6
7		13	350883		62	125	7
8		13	350890		50	93	8
9	FBD	13	350847	WT,WB	70	110	9
10		13	350860		90	150	10
11		13	350875		135	218	11
12		13	350883		124	240	12
13		4	350883		108	235	13
14		13	350890		150	250	14
15	FBR	13	235575	ST,SB	80	150	15

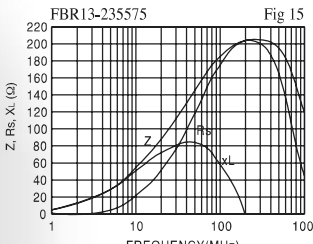
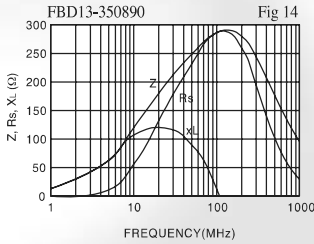
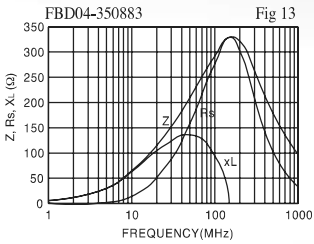
Beads Cores

**The other specification can be designed & produced also.*



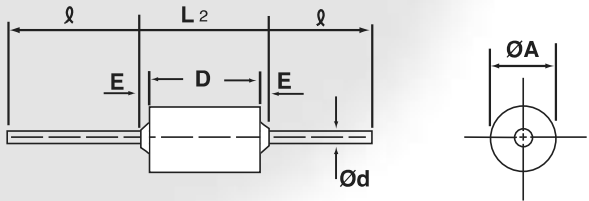
Beads Cores

**The other specification can be designed & produced also.*



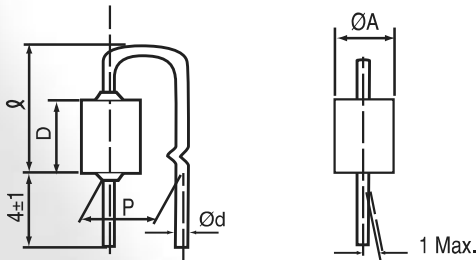
Bulk Dimensions

ST



Type	ØA	D	E	Ød	L
FBS□-250845-ST	2.5±0.15	4.5±0.3	2max.	0.65±0.05	18min.
FBS□-350847-ST	3.5±0.15	4.7±0.3	2 max.		
FBS□-350860-ST	3.5±0.15	6±0.3	2,5 max.		
FBS□-350890-ST	3.5±0.15	9±0.4	2,5 max.		

VB

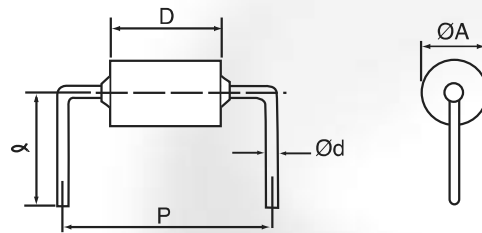


Type	Dimensions [mm]				
	ØA	D	L	P	Ød
FBS□-350847-VB	3.5±0.15	4.7±0.3	9,0 max.	5±1	0.6±0.05

Beads Cores

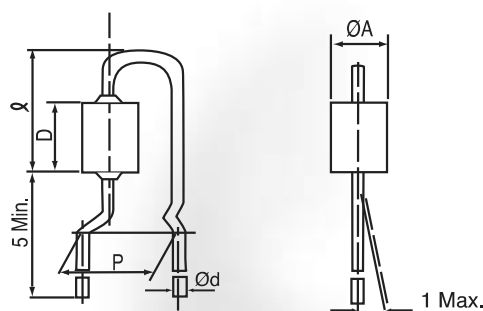
**The other specification can be designed & produced also.*

FD,FE,FF



Type		A	P	D	ød	l
FBS □ -250845-FD	FD	2.5±0.15	10±1	4.5±0.3	0.65±0.05	7±2
FBS □ -350847-FD		3.5±0.15	10±1	4.7±0.3		7.5±2
FBS □ -350860-FD		3.5±0.15	10±1	6±0.3		7.5±2
FBS □ -250845-FE	FE	2.5±0.15	12.5±0.5	4.5±0.3	0.65±0.05	7±2
FBS □ -350847-FE		3.5±0.15	12.5±0.5	4.7±0.3		7.5±2
FBS □ -350860-FE		3.5±0.15	12.5±0.5	6±0.3		7.5±2
FBS □ -350890-FE		3.5±0.15	12.5±0.5	9±0.4		7.5±2
FBS □ -250845-FF	FF	2.5±0.15	15±0.1	4.5±0.3	0.65±0.05	7±2
FBS □ -350847-FF		3.5±0.15	15±0.1	4.7±0.3		7.5±2
FBS □ -350860-FF		3.5±0.15	15±0.1	6±0.3		7.5±2
FBS □ -350890-FF		3.5±0.15	15±0.1	9±0.4		7.5±2

RB

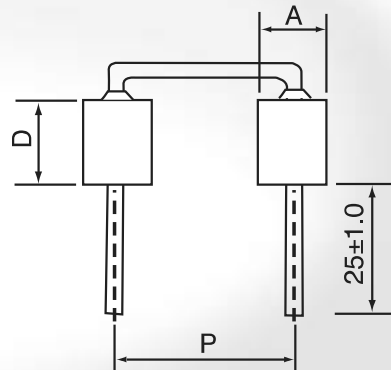


Type	Dimensions [mm]				
	øA	D	l	P	ød
FBS □ -350847-RB	3.5±0.15	4.7±0.3	12.5 max.	5±1	0.65±0.05
FBS □ -350860-RB	3.5±0.15	6±0.3	12.5 max.	5±1	
FBS □ -350890-RB	3.5±0.15	9±0.3	16 max.	5±1	

Beads Cores

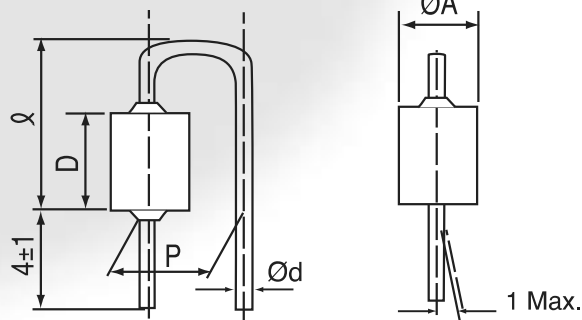
**The other specification can be designed & produced also.*

WB



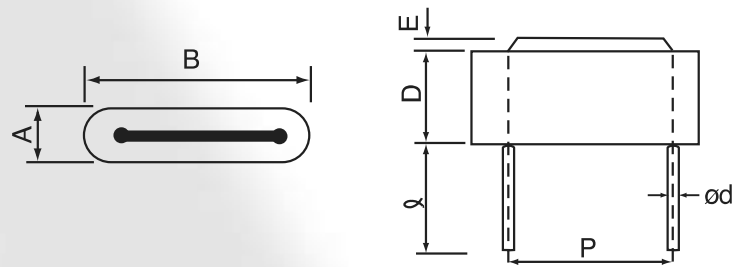
A: 3.5 ± 0.15
D: 4.7 ± 0.3 , 6.0 ± 0.3 ,
 7.5 ± 0.3 , 8.0 ± 0.3 ,
 9.0 ± 0.4

UB



Type	Dimensions [mm]				
	ØA	D	Ød	P	Ød
FBS□-250845-uB	2.5 ± 0.15	4.5 ± 0.3	9 max.	5 ± 1	0.65 ± 0.05
FBS□-350847-uB	3.5 ± 0.15	4.7 ± 0.3	9 max.	5 ± 1	

SB



Type	A	B	D	E	P	Ød	Ød
FBR13-235575-SB	2.5 max	7.5 ± 0.5	5.5	1.5 max	$5^{+1}_{-0.5}$	5^{+1}_{-2}	0.6 ± 0.05
FBR13-237575-SB	2.5 max	7.5 ± 0.5	7.5	1.5 max	$5^{+1}_{-0.5}$	5^{+1}_{-2}	

Ferrite tile for EMI Suppression

**The other specification can be designed & produced also.*



Tile Absorber

Ferrite Tile is the industry standard size and exhibits excellent overall performance Vs cost. These 100mm tiles can be installed individually using screws or adhesive and are optionally available in panel format. The Thickness is depend on customers requested. Tiles are surface ground on all sides to precise mechanical tolerances, minimizing gaps between adjacent tiles to ensure maximum low-frequency performance.

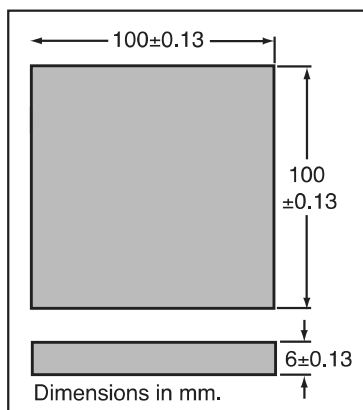
Outline: Ferrite tiles were absorbing materials which are utility magnetic resonance. Tiles has excellent physical qualities like normal decorative tiles for buildings, and is absorption for prevention of electromagnetic wave reflection.

Feature: 1. absorbtion of ferrite electromagnetic wave.
2. wide frequency and not easy to be burned.

Applications: 1. EMC Electromagnetic wave anechoic chamber.
2. buildings electromagnetic wave reflection.

ABSORBING FERRITE TILES

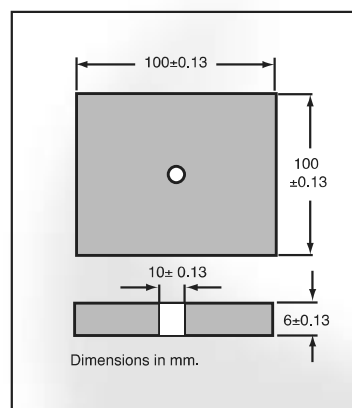
These tiles provide effective absorption of electro-magnetic waves in the frequency range from 30 to 1000 MHz.



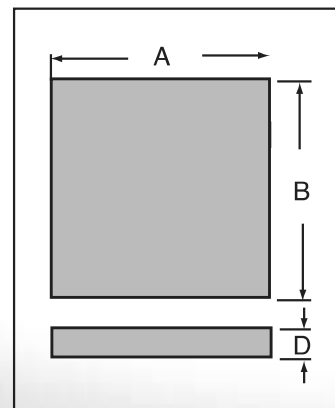
FREQUENCY RANGE (MHz)
30 TO 1000 MASS(g)=330

ABSORBING FERRITE TILES WITH FIXING HOLE

These tiles provide effective absorption of electro-magnetic waves in the frequency range from 30 to 1000 MHz; the central hole simplify reliable fixation.



FREQUENCY RANGE (MHz)
30 TO 1000 MASS(g)=310



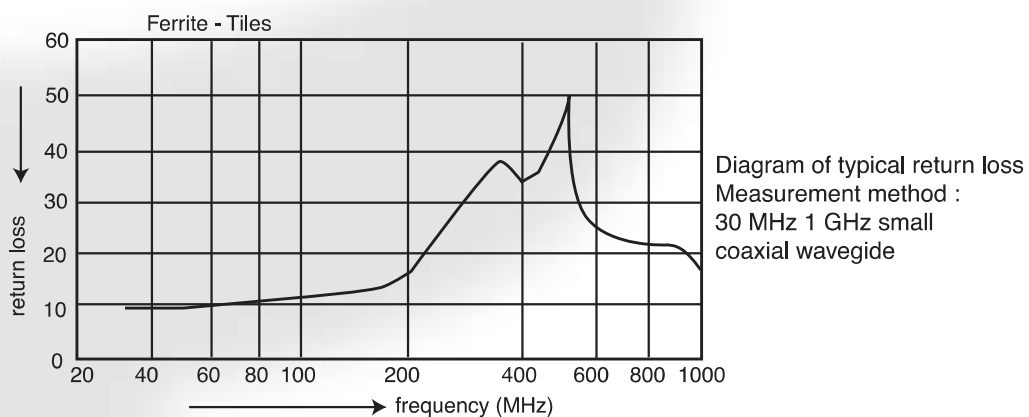
Ferrite tile for EMI Suppression

**The other specification can be designed & produced also.*

● Electric Properties

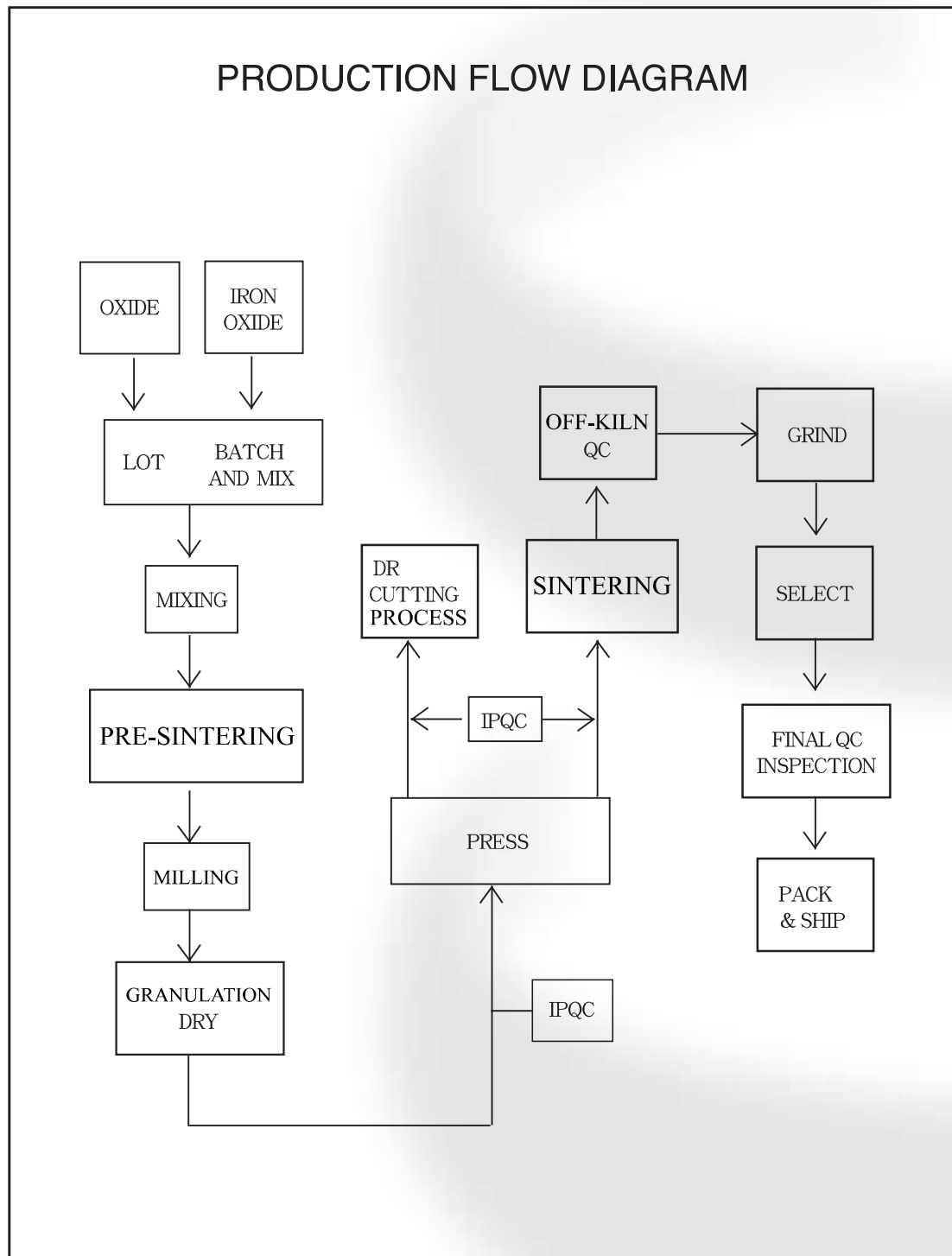
Description	T-0500
Center Frequency (-48dB)	500MHz
Size (± 0.13mm)	100mm x 100mmXT T=6.00~7.00mm

● Reflection Attenuation Vs. Frequency Characteristics



NO	ITEM	A	B	D
1.	I 20.3 X15.3X0.85	20.3±0.15	15.3±0.15	0.85±0.1
2.	I 20.0 X18.0 X1.50	20.0±0.15	15.0±0.15	1.50±0.1
3.	I 23.0 X23.0X0.80	23.0±0.15	23.0±0.15	0.80±0.1

**The other specification can be designed & produced also.*



**The other specification can be designed & produced also.*

Preferred Number

• PREFIXES USED IN THE METRIC SYSTEM

T	:	tera	=10 ¹²	=1,000,000,000,000
G	:	giga	=10 ⁹	= 1,000,000,000
M	:	mega	=10 ⁶	= 1,000,000
k	:	kilo	=10 ³	= 1,000
h	:	hecto	=10 ²	= 100
da	:	deka	=10 ¹	=
d	:	deci	=10 ⁻¹	=0.1
c	:	centi	=10 ⁻²	=0.01
m	:	milli	=10 ⁻³	=0.001
u	:	micro	=10 ⁻⁶	=0.000,001
n	:	nano	=10 ⁻⁹	=0.000,000,001
p	:	pico	=10 ⁻¹²	=0.000,000,000,001

e.g. 1 giga watt= 1,000 million W=1 million KW

Series	E STANDARD NUMBER		
	E6	E12	E24
RATIO	$\sqrt[6]{10}$	$\sqrt[12]{10}$	$\sqrt[24]{10}$
	1.4768	1.2115	1.007
TOLERANCE	±20%	±10%	±5%
1.0	1.0	1.0	1.0
		1.1	1.1
		1.2	1.2
		1.3	1.3
1.5	1.5	1.5	1.5
		1.6	1.6
		1.8	1.8
		2.0	2.0
2.2	2.2	2.2	2.2
		2.4	2.4
		2.7	2.7
		3.0	3.0
3.3	3.3	3.3	3.3
		3.6	3.6
		3.9	3.9
		4.3	4.3
4.7	4.7	4.7	4.7
		5.1	5.1
		6.0	6.0
		6.2	6.2
6.8	6.8	6.8	6.8
		7.5	7.5
		8.2	8.2
		9.1	9.1

NEMA Enameled Copper Wire Gauge

AWG Size	Bare wire Diameter (mm)			SINGLE (mm)		HEAVY (mm)	
	Min.	NORL.	Max.	Min. Increase in Radius	Max. Over all Diameter	Min. Increase in Radius	Max. Over all Diameter
1		7.348					
2		6.543					
3		5.826					
4		5.189					
5		4.620					
6	4.074	4.115	4.135			0.0445	4.244
7	3.630	3.665	3.683			0.0430	3.787
8	3.231	3.264	3.282			0.0420	3.383
9	2.878	2.906	2.921			0.0405	3.020
10	2.563	2.588	2.601			0.0395	2.695
11	2.281	2.304	2.316			0.0380	2.408
12	2.032	2.052	2.062			0.0370	2.151
13	1.811	1.829	1.839			0.0355	1.923
14	1.613	1.628	1.636	0.0205	1.692	0.0405	1.732
15	1.435	1.450	1.458	0.019	1.509	0.038	1.547
16	1.278	1.290	1.298	0.018	1.349	0.037	1.384
17	1.138	1.151	1.156	0.018	1.206	0.0355	1.240
18	1.013	1.024	1.029	0.0165	1.077	0.033	1.110
19	0.902	0.912	0.917	0.015	0.963	0.032	0.993
20	0.805	0.813	0.818	0.015	0.861	0.029	0.892
21	0.716	0.724	0.726	0.014	0.770	0.028	0.798
22	0.635	0.643	0.645	0.014	0.686	0.0265	0.714
23	0.569	0.574	0.577	0.0125	0.617	0.0255	0.643
24	0.505	0.511	0.513	0.0125	0.551	0.024	0.577
25	0.450	0.455	0.457	0.0115	0.493	0.023	0.516
26	0.399	0.404	0.406	0.0115	0.439	0.0215	0.462
27	0.358	0.361	0.363	0.0100	0.396	0.0205	0.417
28	0.318	0.320	0.323	0.0100	0.356	0.0205	0.373
29	0.284	0.287	0.290	0.090	0.320	0.019	0.338
30	0.251	0.254	0.257	0.090	0.284	0.018	0.302
31	0.224	0.226	0.229	0.075	0.254	0.0165	0.274
32	0.201	0.200	0.206	0.075	0.231	0.015	0.249
34	0.157	0.160	0.163	0.065	0.183	0.0125	0.198
35	0.140	0.142	0.145	0.065	0.163	0.0115	0.178
36	0.124	0.127	0.130	0.050	0.147	0.010	0.160
37	0.112	0.114	0.117	0.050	0.132	0.010	0.145
38	0.099	0.102	0.104	0.040	0.119	0.009	0.130
39	0.086	0.089	0.091	0.040	0.104	0.0075	0.114
40	0.076	0.079	0.081	0.0025	0.094	0.0075	0.102
41	0.069	0.071	0.074	0.0025	0.084	0.0065	0.091
42	0.061	0.064	0.066	0.0025	0.076	0.005	0.081
43	0.053	0.056	0.058	0.0025	0.066	0.005	0.074
44	0.048	0.051	0.053	0.0015	0.061	0.005	0.069
45	0.043	0.047	0.047	0.00125	0.0521	0.0038	0.0584
46	0.038	0.0399	0.042	0.00125	0.0470	0.0038	0.0533
47	0.034	0.0356	0.038	0.00125	0.0432	0.0038	0.0483
48	0.030	0.0315	0.034	0.00125	0.0381	0.00255	0.0432
49	0.026	0.0282	0.030	0.00125	0.033	0.00255	0.0381
50	0.023	0.0252	0.027	0.00125	0.0305	0.00255	0.0356

**The other specification can be designed & produced also.*

Relation of Metric (SI) Units to English or Customary Units

	Metric Symbol	Metric / SI Units	English or Customary Symbol	English or Customary Units	Multiplicaiton Factor to Convert from English to Metric SI Units
Length	m	meter	in or (")	inch	2.54×10^{-2}
	mm	millimeter	in or (")	inch	25.4
Area	m ²	square meter	in ²	square inches	6.45×10^{-4}
Volume	m ³	cubic meter	ft ³	cubic feet	0.0283
Mass	kg	kilogram	# or lb	pounds	0.454
Celsius Temperature	°C	degree celsius	°F	degree fahrenheit	(°F-32) 5/9
Density	kg/m ³	kilogram per cubic meter	# / ft ³	pounds per cubic feet	16.018
Electric resistance	Ω	ohm	Ω	ohm	1
Electric charge	C	coulomb	E.M.	electric charge per mass	10
Electric current	A	Ampere	I	Ampere	1
Electric potential, electromotive force	V	Volt	E	Volt	1
Frequency	Hz	Hertz	Cps	cycles per second	1
Inductance, Inductor	H	Henry	L	Henry	1
Magnetic field strength	A/m	Ampere per meter	Oe	Oersteds	79.58
Magnetic flux	Wb	Weber	Mx	maxwells	1×10^{-8}
Magnetic flux density, Magnetic Induction	T	Telsa	g	gauss	1×10^{-4}
Permeability	H/m	Henry per meter	μ	(Unit-less)	4×10^{-7}
Power	W	Watt	W	Watt	1
Pressure, stress	Pa	Pascal	PSI	pounds per square inch	6896.5

Elettronica Rossoni

Quality Control

Elettronica Rossoni S.r.l.'s Management, by its President's explicit will, underwrites and discloses the present document synthesizing the Company's directives in order to get an appreciated and renown position inside its operating market.

Elettronica Rossoni S.r.l has reached a new organization structure expressed in its defined functions diagram. The development of the Management System for the Quality (QMS) according to international Standards UNI EN ISO 9001:2000, represents the resolution of going along a Customer's oriented path, not forgetting other relevant parts such as its employees, suppliers and all the general community.

The Management, while respecting contracts requirements both mandatory and imposed by its QMS, aims to have all its staff involved toward the achievement of targets, yearly renewable, focused to the improvement of Company's performances and is therefore firstly committed to:

Verify periodically the results of planned Quality-Indicators referred to company processes;

Assuring the availability, compatibly with Company's powers, of all resources suitable to pursue and reach definite targets;

Keep updated our personnel and their operative processes according to reference laws and regulations;

Expand our productive capacity in China to enhance our market competitiveness;

Periodically revising the present document to verify its suitability and conformity to Company's strategic targets.



Providing SOLUTION is our APTITUDE

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