

2022

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Scope of product

1. -40°C ~ +85°C; +105°C; +125°C (includes temperature when the coil is heated).
2. ORITAC components are manufactured and promoted for use in consumer, Industrial electronics devices such as audio-video equipment, home electric appliance, office automation equipment, car equipment, communication equipment, measurement hardware, machine accessory and medical equipment.
3. In case of using the product for the purpose other than general electronics devices, please do not fail to consult with our business headquarters, branch or business office. When the suggested recommendations are not heeded, in Cheng Group shall not be held liable for any dysfunctions in or damage to the equipment with which the product is used.
4. When using the product if you encounter difficulties, Can contact our sales staff.

General stipulations for coil use

1. Products should not be kept in unsuitable storage conditions, such as areas susceptible to high
2. Always handle products with care.
3. Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering.
Always ensure optimum conditions for soldering.
4. Refrain from rinsing coils. If necessary, please consult with our company.
5. Our SMD coils are designed for automatic mounting. Please be careful if soldering by hand.
6. Our specification limits the quality of the component as a single unit. Please ensure the component is thoroughly evaluated in your application circuit.
7. Don't bend the terminals or subject them to excessive stress.
8. When using our high voltage inverter transformers place 2mm away from the electric conductor.
9. Don't touch any exposed winding part and avoid coming into contact with the guide or electrode in automotic mounting.

產品使用說明:

- 1、使用溫度範圍：-40°C~+125°C (包括電感的發熱)
- 2、本產品適用於消費性, 工業等電子產品, 通信產品, 計測產品等一般電子產品
- 3、如需用於航空設備、醫療器械、防火設備等與人命和財產有重大影響的產品時, 必需與營業人員聯系, 取得認可, 同時必須滿足有關的使用條件, 否則造成的一切損失與本公司無關
- 4、產品在使用上如有困難和疑問可與本公司營業人員聯絡

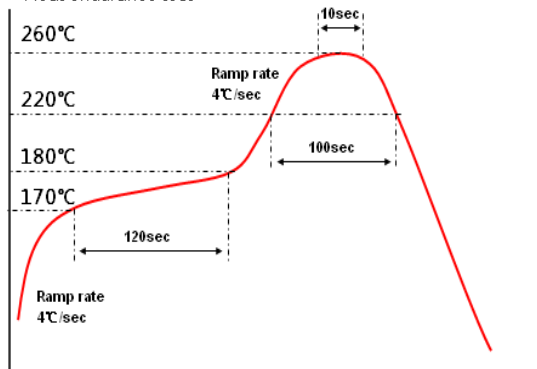
產品使用與保管注意事項：

- 1、產品需保存於通風, 非陽光直射環境, 不要保存於高溫, 高濕, 多塵和有化學腐蝕的環境
- 2、產品需整齊地保管, 不要雜亂堆放, 互相磁撞
- 3、手上的油脂會影響產品的焊接性能, 請不要用手直接接觸焊接端子
- 4、請不要有用機溶液清洗電感, 如確實需要清洗請聯絡本公司營業人員, 以便得到專業指導
- 5、當自動貼片產品改為手焊時, 需注意拿取方法
- 6、本公司的產品規格及相關資料僅供參考, 請在實際使用時聯絡本公司營業人員取得樣板實裝進行認可測試
- 7、端子的過度彎曲和碰撞會導致產品的斷線, 請注意保管與取用
- 8、當使用高電壓的電感時, 電路板的設計需將有關電子半導體元件離開電感2mm以上
- 9、當產品的卷線露出時, 請不要接觸露出部份

Test Items	Test Condition	Criteria
1.Low temperature storage	Placed at -40°C for 500 hours, then measured at ambient temperature after placing 24 hours	Inductance shall within $\pm 10\%$ of the initial value
2.High temperature storage	Placed at +125°C for 500 hours, then measured at ambient temperature after placing 24 hours	Inductance shall within $\pm 10\%$ of the initial value
3.Thermal shock	-40°C,30min. ~ +125°C,30min 500hours	Inductance shall within $\pm 10\%$ of the initial value
4.Humidity resistance	Placed at 90 to 95% rh,+50°C for 500 hours, then measured at room ambient temperature after placing 24 hours	Inductance shall within $\pm 10\%$ of the initial value Insulation resistance > 100Mohm at DC
5.Drop	Drop specrmen three times on concrete floor from a height of 1 meter which mounted on test board	Inductance shall within $\pm 10\%$ of the initial value
6.Vibartion	Frequency:10~50~10Hz Amplitude:1.5mm Or 10G Sweep time: loct/min Test Directions: X,Y,Z Test Time: 2houre each direction	Inductance shall within $\pm 10\%$ of the initial value
7.Terminal strength	ADD static load 4.9N(500gf) to inductor through hole of test board for 10 $\pm$ 2 sec	No detachment of terminal pin and no breakage of wire
8.Soldering heat resistance	Dip inductor's terminal in solder bath of following conditions: 1) 260 $\pm$ 5°C,10 $\pm$ 1sec, 2)350 $\pm$ 10°C,3.5 $\pm$ 0.5sec	Inductance shall be within $\pm 10\%$ of the initial value Appearance: No damage

Reflow-Profile

Heat endurance test

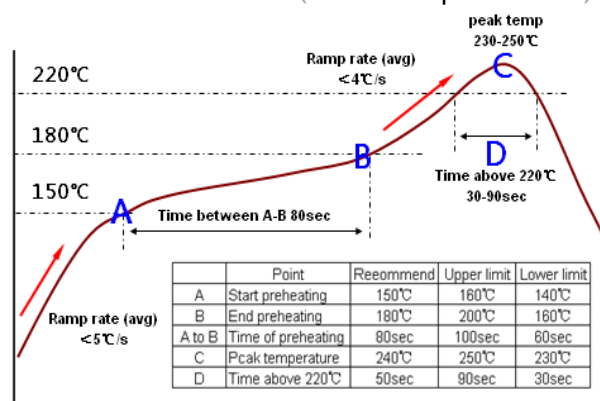


©The test should be made under the conditions according to the chart, after the test it is kept for 2 hours under the normal temperature and humidity.

©The reflow test can be done twice, but the interval should be more than one hour under the normal conditions.

©The reflow test conditions are based on the testing instruments available in Arlitech

Recommended Reflow Profile(for EOC soldr paste S70G-HF)



©The reflow condition recommended above is according to the machine used by our company. Big differences will arise as a result of the type of machine, reflow conditions, method, etc. used. Hence, before setting up your reflow conditions, please confirm with the above.

Example for a Part Name: SDRH 3D 16 A HP - 4R7 N C
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Type Name

SDRH / SDR / SDH/ SDNR/ SD/ RCH/ RCR/ RCP

② Dimension: SMD (L x W) / THT (Φ)

3D	3.8mm x 3.8mm
12	12.0mm x 12.0mm
8	Φ8.0mm

③ Height: SMD (H) / THT (L)

16	1.65mm
7	7.5mm
75	7.5mm

④ Terminal Position

NIL	The position of terminals are horizontal
A	The position of terminals are opposite angles

⑤ Characteristic

LD	Low D.C.R
HP	High Power
MN	MnZn Material for low inductance tolerance under the operation of high rated current
R	Highly protection by using clasp mount for Drum and Ring core assemble
S	Double Winding

⑥ Inductance Value

R22	0.22uH
2R2	2.2uH
220	22uH
221	220uH
222	2200uH / 2.2mH

⑦ Inductance Tolerance

N	±30%
M	±20%
K	±10%
J	±5%

⑧ Packing Standard

C	Reel & Carrier Tape
B	Box

Height (mm)	Type Name	Inductance (uH)	D.C.R max. (Ω)	Rated Current max. (A)	Dimensions max. (mm)	Page
1.3	SDRH2D11A	1.5 ~ 10	0.068 ~ 0.400	0.65 ~ 1.48	3.2 x 3.2 x 1.3	9
1.6	SDRH2D14A	1.2 ~ 12	0.049 ~ 0.394	0.64 ~ 2.75	3.2 x 3.2 x 1.6	10
2.1	SDRH2D18A	2.2 ~ 47	0.041 ~ 0.660	0.48 ~ 2.30	3.2 x 3.2 x 2.1	11
1.3	SDRH3D11A	2.7 ~ 39	0.078 ~ 0.942	0.40 ~ 1.82	4.0 x 4.0 x 1.3	12
1.8	SDRH3D16A	1.5 ~ 33	0.051 ~ 0.870	0.41 ~ 2.40	4.0 x 4.0 x 1.8	13
2.5	SDRH3D23A	0.47 ~ 47	0.024 ~ 0.546	0.60 ~ 3.70	4.1 x 4.1 x 2.5	14
3.0	SDRH3D28A	1.0 ~ 47	0.038 ~ 0.599	0.56 ~ 2.00	4.0 x 4.0 x 3.0	15
1.8	SDRH3D16	0.47 ~ 33	0.035 ~ 0.675	0.51 ~ 3.00	4.0 x 4.0 x 1.8	16
2.0	SDRH3D18	1 ~ 47	0.050 ~ 0.964	0.35 ~ 2.40	4.0 x 4.0 x 2.0	17
3.1	SDRH3D28	10 ~ 220	0.092 ~ 1.269	0.36 ~ 1.52	4.0 x 4.0 x 3.1	18
2.0	SDRH4D18	1 ~ 180	0.045 ~ 4.000	0.14 ~ 1.72	5.0 x 5.0 x 2.0	19
3.0	SDRH4D28	1.2 ~ 390	0.024 ~ 2.830	0.13 ~ 2.56	5.0 x 5.0 x 3.0	20
2.0	SDRH5D18	4.1 ~ 180	0.057 ~ 2.240	0.28 ~ 1.95	6.0 x 6.0 x 2.0	21
3.0	SDRH5D28	1 ~ 330	0.015 ~ 1.980	0.25 ~ 2.80	6.0 x 6.0 x 3.0	22
3.0	SDRH6D28	2.2 ~ 470	0.024 ~ 3.150	0.21 ~ 3.00	7.0 x 7.0 x 3.0	23
4.0	SDRH6D38	3 ~ 680	0.020 ~ 3.200	0.25 ~ 3.50	7.0 x 7.0 x 4.0	24
3.0	SDRH8D28	1 ~ 100	0.011 ~ 0.430	0.80 ~ 7.00	8.3 x 8.3 x 3.0	25
4.0	SDRH8D38	1.8 ~ 100	0.160 ~ 0.410	0.88 ~ 6.80	8.3 x 8.3 x 4.0	26
4.5	SDRH8D43	1 ~ 100	0.100 ~ 0.360	0.80 ~ 6.60	8.3 x 8.3 x 4.5	27
3.0	SDRH62B	2.9 ~ 1000	0.068 ~ 10.80	0.08 ~ 1.94	6.5 x 6.2 x 3.0	28
5.0	SDRH64B	10 ~ 1000	0.120 ~ 9.260	0.14 ~ 1.35	6.5 x 6.2 x 5.0	29
3.5	SDRH73	1 ~ 1000	0.016 ~ 9.440	0.16 ~ 7.97	7.6 x 7.6 x 3.5	30
4.5	SDRH74	1 ~ 1000	0.015 ~ 6.000	0.18 ~ 9.00	7.6 x 7.6 x 4.5	31
8.1	SDRH88	1 ~ 1000	0.010 ~ 2.650	0.40 ~ 9.50	8.0 x 8.0 x 8.1	32
8.8	SDRH89	1.2 ~ 1000	0.007 ~ 1.790	0.60 ~ 10.00	8.0 x 8.0 x 8.8	33
4.0	SDRH123	6.8 ~ 470	0.035 ~ 1.800	0.50 ~ 5.00	12.5 x 12.5 x 4.0	34
4.5	SDRH124	3.9 ~ 330	0.015 ~ 0.990	0.50 ~ 6.50	12.5 x 12.5 x 4.5	35
6.0	SDRH125	1.3 ~ 1000	0.012 ~ 1.530	0.40 ~ 8.00	12.5 x 12.5 x 6.0	36
6.0	SDRH125LD	7.5 ~ 1000	0.019 ~ 1.950	0.60 ~ 6.40	12.5 x 12.5 x 6.0	37
8.0	SDRH127	1.2 ~ 1000	0.007 ~ 1.820	0.55 ~ 9.80	12.5 x 12.5 x 8.0	38
8.0	SDRH127LD	1 ~ 1000	0.007 ~ 1.500	0.85 ~ 15.80	12.5 x 12.5 x 8.0	39
8.0	SDRH127SMN	0.47 ~ 1000	0.002 ~ 1.660	0.61 ~ 17.9	12.5 x 12.5 x 8.0	40
10.0	SDRH129	1 ~ 2200	0.006 ~ 2.580	0.52 ~ 11.6	12.5 x 12.5 x 10.0	41
3.1	SDRH103R	0.8 ~ 150	0.006 ~ 0.871	0.51 ~ 8.30	10.5 x 10.3 x 3.1	43
4.1	SDRH104R	1.5 ~ 330	0.008 ~ 1.090	0.52 ~ 6.50	10.5 x 10.3 x 4.1	44
5.1	SDRH105R	0.8 ~ 1000	0.005 ~ 1.989	0.42 ~ 9.50	10.5 x 10.3 x 5.1	45
2.8	SDR52B	1 ~ 68	0.050 ~ 0.920	0.23 ~ 1.70	5.5 x 6.1 x 2.8	46
3.5	SDR63B	1 ~ 470	0.070 ~ 8.200	0.18 ~ 3.00	5.9 x 6.5 x 3.5	47
4.8	SDR74B	1 ~ 470	0.025 ~ 3.100	0.30 ~ 3.50	7.3 x 8.1 x 4.8	48
5.5	SDR105	10 ~ 560	0.060 ~ 1.700	0.25 ~ 2.06	10.4 x 9.4 x 5.5	49
5.9	SDR125	4.7 ~ 820	0.030 ~ 2.000	0.36 ~ 3.50	13.1 x 12.1 x 5.9	50

Height (mm)	Type Name	Inductance (uH)	D.C.R max. (Ω)	Rated Current max. (A)	Dimensions max. (mm)	Page
3.1	SDRR6028	4.7 ~ 220	0.034 ~ 1.176	0.38 ~ 2.50	6.3 x 6.3 x 3.1	51
4.8	SDRR6045	1 ~ 820	0.023 ~ 3.650	0.11 ~ 2.70	6.3 x 6.3 x 4.8	52
3.5	SDRR7032	3.3 ~ 1000	0.028 ~ 5.730	0.13 ~ 1.90	7.3 x 7.3 x 3.5	53
4.8	SDRR7045	3.3 ~ 1000	0.024 ~ 2.736	0.25 ~ 2.30	7.3 x 7.3 x 4.8	54
5.8	SDRR7055	1.5 ~ 100	0.023 ~ 0.381	0.90 ~ 4.00	7.3 x 7.3 x 5.8	55
4.8	SDRR10145	3.3 ~ 1500	0.022 ~ 4.080	0.26 ~ 3.70	10.4 x 10.4 x 4.8	56
7.0	SDRR10165	1.5 ~ 22	0.009 ~ 0.059	2.40 ~ 6.80	10.4 x 10.4 x 7.0	57
5.8	SDRR12555	6 ~ 1000	0.020 ~ 1.344	0.60 ~ 4.90	12.8 x 12.8 x 5.8	58
6.9	SDRR12565	2 ~ 100	0.015 ~ 0.148	1.90 ~ 6.20	12.8 x 12.8 x 6.9	59
7.9	SDRR12575	1.2 ~ 220	0.009 ~ 0.310	1.30 ~ 8.20	12.8 x 12.8 x 7.9	60
1.0	SDNR3010	1.2 ~ 56	0.065 ~ 2.320	0.24 ~ 1.45	3.2 x 3.2 x 1.0	61
1.2	SDNR3012	1 ~ 100	0.040 ~ 2.860	0.25 ~ 2.20	3.2 x 3.2 x 1.2	62
1.5	SDNR3015	1 ~ 100	0.030 ~ 3.800	0.19 ~ 2.35	3.2 x 3.2 x 1.5	63
1.0	SDNR4010	1 ~ 22	0.056 ~ 0.570	0.50 ~ 1.90	4.2 x 4.2 x 1.0	64
1.2	SDNR4012	0.82 ~ 100	0.050 ~ 2.210	0.25 ~ 1.65	4.2 x 4.2 x 1.2	65
1.8	SDNR4018	0.47 ~ 220	0.014 ~ 4.000	0.17 ~ 4.00	4.2 x 4.2 x 1.8	66
2.0	SDNR4020	0.33 ~ 100	0.013 ~ 1.550	0.31 ~ 3.30	4.2 x 4.2 x 2.0	67
2.6	SDNR4026	1 ~ 47	0.024 ~ 0.300	0.65 ~ 3.00	4.2 x 4.2 x 2.6	68
3.0	SDNR4030	1 ~ 680	0.014 ~ 7.580	0.14 ~ 4.15	4.2 x 4.2 x 3.0	69
1.2	SDNR5012	0.22 ~ 22	0.028 ~ 0.780	0.60 ~ 3.00	5.2 x 5.2 x 1.2	70
2.0	SDNR5020	0.22 ~ 200	0.009 ~ 2.000	0.40 ~ 5.30	5.2 x 5.2 x 2.0	71
4.2	SDNR5040	1 ~ 1000	0.012 ~ 6.000	0.20 ~ 4.90	5.2 x 5.2 x 4.2	72
2.0	SDNR6020	0.5 ~ 330	0.014 ~ 2.630	0.33 ~ 4.00	6.2 x 6.2 x 2.0	73
2.8	SDNR6028	0.82 ~ 1000	0.010 ~ 5.800	0.23 ~ 5.20	6.2 x 6.2 x 2.8	74
4.0	SDNR6040	1 ~ 470	0.008 ~ 1.790	0.47 ~ 6.30	6.2 x 6.2 x 4.0	75
4.5	SDNR6045	0.47 ~ 1500	0.006 ~ 8.450	0.27 ~ 6.50	6.2 x 6.2 x 4.5	76
4.0	SDNR8040	0.82 ~ 33	0.008 ~ 0.097	1.80 ~ 6.30	8.2 x 8.2 x 4.0	78
5.0	SDNR10D50	1 ~ 1.2	0.040 ~ 0.045	1.70 ~ 2.20	10.0 x 10.0 x 5.0	80
2.4	SD32	2.2 ~ 390	0.080 ~ 7.800	0.11 ~ 1.80	3.8 x 3.3 x 2.4	81
3.5	SD43	1 ~ 1000	0.033 ~ 15.60	0.14 ~ 3.80	4.8 x 4.3 x 3.5	82
4.8	SD54	1 ~ 1000	0.015 ~ 4.800	0.14 ~ 5.90	6.1 x 5.5 x 4.8	83
5.3	SD75	1 ~ 1000	0.030 ~ 3.600	0.23 ~ 11.2	8.1 x 7.3 x 5.3	84
4.3	SD104	1 ~ 1000	0.008 ~ 3.000	0.26 ~ 9.00	10.3 x 9.3 x 4.3	85
5.7	SD105	2.2 ~ 1000	0.013 ~ 2.700	0.32 ~ 7.50	10.3 x 9.4 x 5.7	86
7.3	SD137	1.5 ~ 1000	0.006 ~ 1.600	0.65 ~ 9.70	13.3 x 13.3 x 7.3	87
1.9	SEQ2015	1 ~ 22	0.106 ~ 0.186	1.51 ~ 2.25	2.2 x 1.7 x 1.9	88
2.0	SEQ2520	1 ~ 33	0.442 ~ 5.460	0.12 ~ 0.48	2.7 x 2.2 x 2.0	89
2.1	SEQ3216	0.12 ~ 100	0.112 ~ 15.60	0.08 ~ 0.97	3.5 x 1.9 x 2.1	90
2.5	SEQ3225	1 ~ 560	0.117 ~ 28.60	0.06 ~ 0.80	3.5 x 2.8 x 2.5	91
2.9	SEQ4532	4.7 ~ 470	0.150 ~ 8.500	0.09 ~ 0.75	4.8 x 3.5 x 2.9	92
4.8	SEQ5750	1 ~ 390	0.020 ~ 4.000	0.55 ~ 9.00	6.0 x 5.3 x 4.8	93

Height (mm)	Type Name	Inductance (uH)	D.C.R max. (Ω)	Rated Current max. (A)	Dimensions max. (mm)	Page
0.7	CWCI1005	0.001 ~ 0.040	0.045 ~ 0.438	1.36 ~ 0.32	1.3 x 0.7 x 0.7	95
1.0	CWCI1608	0.0016 ~ 0.39	0.030 ~ 2.200	0.70 ~ 0.15	1.8 x 1.1 x 1.0	96
1.4	CWCI12012	0.0022 ~ 2.2	0.030 ~ 3.800	0.80 ~ 0.15	2.3 x 1.7 x 1.4	98
2.1	CWCI12520	0.0039 ~ 6.8	0.035 ~ 8.200	1.00 ~ 0.20	2.8 x 2.7 x 2.1	100
2.2	CWCI13225	0.0039 ~ 8.6	0.050 ~ 2.800	1.00 ~ 0.16	3.5 x 2.8 x 2.2	102
1.2	CWFI1608	0.047 ~ 10	0.075 ~ 4.800	1.40 ~ 0.18	1.8 x 1.2 x 1.2	104
1.4	CWFI12012	0.47 ~ 33	0.200 ~ 4.340	0.75 ~ 0.145	2.4 x 1.6 x 1.4	105
2.1	CWFI12520	1 ~ 33	0.200 ~ 1.060	1.0 ~ 0.236	2.9 x 2.5 x 2.1	106
2.6	CWFI13225	1 ~ 680	0.120 ~ 22.000	1.2 ~ 0.076	3.6 x 2.8 x 2.6	107
2.2	SEM3225	0.10 ~ 150	0.440 ~ 15.00	0.017 ~ 0.450	3.2 x 2.5 x 2.2	108
3.2	SEM4532	0.10 ~ 1000	0.180 ~ 40.00	0.30 ~ 0.80	4.5 x 3.2 x 3.2	110
2.2	SEC3225	1 ~ 100	0.160 ~ 9.140	0.03 ~ 0.70	3.2 x 2.5 x 2.2	112
3.2	SEC4532	1 ~ 330	0.110 ~ 13.00	0.09 ~ 1.05	4.5 x 3.2 x 3.2	113
3.5	SEP12035	0.3 ~ 1.3	2.000 ~ 6.500	23.0 ~ 34.0	12.7 x 12.7 x 3.5	114
5.0	SEP12050	0.6 ~ 5.6	2.000 ~ 15.00	10.0 ~ 33.0	12.7 x 12.7 x 5.0	115
6.0	SEP12060	1.5 ~ 7.8	3.500 ~ 20.00	9.00 ~ 25.0	12.7 x 12.7 x 6.0	116
7.0	SEP12070	2.0 ~ 12	4.000 ~ 25.00	7.00 ~ 21.0	12.7 x 12.7 x 7.0	117
1.2	SDMC3012	0.47 ~ 10	0.030 ~ 0.550	1.00 ~ 5.00	3.7 x 3.4 x 1.2	118
2.0	SDMC3020	0.10 ~ 10	0.009 ~ 0.422	1.40 ~ 10.5	3.7 x 3.4 x 2.0	119
1.2	SDMC4012	0.1 ~ 10	0.006 ~ 0.463	1.30 ~ 11.5	4.7 x 4.3 x 1.2	120
2.0	SDMC4020	0.1 ~ 22	0.004 ~ 0.500	1.20 ~ 12.0	4.7 x 4.3 x 2.0	121
1.2	SDMC5012	0.1 ~ 10	0.005 ~ 0.385	1.50 ~ 14.0	6.0 x 5.4 x 1.2	122
1.5	SDMC5015	0.2 ~ 22	0.004 ~ 0.466	1.20 ~ 15.0	6.0 x 5.4 x 1.5	123
1.8	SDMC5018	0.33 ~ 15	0.009 ~ 0.318	1.70 ~ 11.0	6.0 x 5.4 x 1.8	124
2.0	SDMC5020	0.22 ~ 15	0.006 ~ 0.270	1.90 ~ 15.0	6.0 x 5.4 x 2.0	125
3.0	SDMC5030	0.33 ~ 10	0.005 ~ 0.128	2.75 ~ 14.0	6.0 x 5.4 x 3.0	126
1.2	SDMC6012	0.22 ~ 10	0.008 ~ 0.290	1.80 ~ 11.0	7.3 x 6.9 x 1.2	127
1.5	SDMC6015	0.22 ~ 10	0.005 ~ 0.216	2.30 ~ 14.0	7.3 x 6.9 x 1.5	128
1.8	SDMC6018	0.22 ~ 10	0.003 ~ 0.160	2.30 ~ 16.0	7.3 x 6.9 x 1.8	129
2.0	SDMC6020	0.1 ~ 22	0.003 ~ 0.280	1.50 ~ 21.0	7.3 x 6.9 x 2.0	130
2.4	SDMC6024	0.22 ~ 10	0.003 ~ 0.101	3.20 ~ 21.0	7.3 x 6.9 x 2.4	131
3.0	SDMC6030	0.1 ~ 10	0.002 ~ 0.085	2.00 ~ 32.5	7.3 x 6.9 x 3.0	132
4.0	SDMC6040	0.15 ~ 15	0.001 ~ 0.090	3.00 ~ 30.0	7.3 x 6.9 x 4.0	133
5.0	SDMC6050	0.33 ~ 22	0.003 ~ 0.170	2.25 ~ 25.0	7.3 x 6.9 x 5.0	134
4.0	SDMC10040	0.22 ~ 33	0.001 ~ 0.112	3.50 ~ 35.0	11.5 x 10.3 x 4.0	135
5.0	SDMC10050	0.30 ~ 68	0.001 ~ 0.205	2.50 ~ 38.0	11.5 x 10.3 x 5.0	136
3.5	SDMC12535	0.10 ~ 10	0.001 ~ 0.034	7.00 ~ 43.0	14.0 x 12.8 x 3.5	137
5.0	SDMC12550	0.33 ~ 18	0.001 ~ 0.045	7.50 ~ 42.0	14.0 x 12.8 x 5.0	138
6.0	SDMC12560	6.80 ~ 15	0.014 ~ 0.350	3.00 ~ 15.0	14.0 x 12.8 x 6.0	139
6.5	SDMC12565	0.15 ~ 47	0.001 ~ 0.090	6.50 ~ 55.0	14.0 x 12.8 x 6.5	140
7.0	SDMC17070	2.2 ~ 100	0.003 ~ 0.118	5.30 ~ 43.5	17.7 x 17.2 x 7.0	141

Height (mm)	Type Name	Inductance (uH)	D.C.R max. (Ω)	Rated Current max. (A)	Dimensions max. (mm)	Page
7.0	DEP1315	4.7 ~ 22	5.400 ~ 21.50	5.20 ~ 11.6	13.5 x 15.0 x 7.0	142
10.2	DEP1416	5 ~ 33	5.100 ~ 15.00	7.20 ~ 14.2	14.5 x 16.0 x 10.2	143
10.5	SDEP1010	10 ~ 22	25.00 ~ 38.00	3.50 ~ 5.70	12.8 x 10.5 x 10.5	144
13.0	SDEP1013	6.8 ~ 22	15.20 ~ 25.00	5.00 ~ 6.50	10.5 x 10.5 x 13.0	145
16.0	SDEP1416	6.0 ~ 22	8.200 ~ 17.50	6.80 ~ 11.0	15.5 x 14.5 x 16.0	146
3.8	SCM7060	40 Ω ~ 25 KΩ	0.005 ~ 0.075	0.90 ~ 15.0	7.0 x 6.0 x 3.8	147
4.8	SCM9070	225 Ω ~ 1.7 KΩ	0.006 ~ 0.060	2.50 ~ 6.00	9.0 x 7.0 x 4.8	148
6.4	SCM12011	80 Ω ~ 2.3 KΩ	0.002 ~ 0.050	1.50 ~ 10.0	12.0 x 10.8 x 6.4	149
5.6	BCM0402	0.47 ~ 4.70	0.300 ~ 0.700	0.40 ~ 0.70	9.5 x 6.4 x 5.6	150
6.5	BCM0603	0.12 ~ 3.90	0.009 ~ 0.640	0.12 ~ 2.90	8.7 x 10.0 x 6.5	151
8.1	BCM1205	0.38 ~ 10.00	0.015 ~ 0.650	0.35 ~ 4.50	16.5 x 16.5 x 8.1	152
16.5	UU9.8V	1mH ~ 50mH	0.500~5.000	0.50 ~ 0.70	16.5 x 12.0 x 16.5	153
13.0	UU9.8H	1mH ~ 50mH	0.500~5.000	0.50 ~ 0.70	17.0 x 16.0 x 13.0	154
20.0	UU10.5V	1mH ~ 50mH	0.500~5.000	0.65 ~ 2.00	18.5 x 17.0 x 20.0	155
16.5	UU10.5H	1mH ~ 50mH	0.500~5.000	0.65 ~ 2.00	18.5 x 19.0 x 16.5	156
5.0	RC0520	10 ~ 27	0.040 ~ 0.150	1.00 ~ 2.60	20.0 x 8.5 x 5.0	157
5.0	RC0630	4.7 ~ 56	0.005 ~ 0.140	1.60 ~ 16.5	30.0 x 10.5 x 5.0	158
5.0	RC0820	2 ~ 26	0.004 ~ 0.035	5.00 ~ 20.0	20.0 x 13.0 x 5.0	159
5.5	RCH654	1 uH ~ 10 mH	0.039 ~ 7.060	0.13 ~ 3.00	6.5 x 6.5 x 5.5	160
6.8	RCH664	1 uH ~ 10 mH	0.018 ~ 4.450	0.19 ~ 4.00	6.5 x 6.5 x 6.8	162
6.0	RCH855	2.5 uH ~ 10 mH	0.023 ~ 55.70	0.08 ~ 4.50	8.3 x 8.3 x 6.0	164
7.8	RCH875	2.2 uH ~ 10 mH	0.014 ~ 33.00	0.08 ~ 5.80	8.3 x 8.3 x 7.8	166
9.8	RCH895	2.5 uH ~ 47 mH	0.014 ~ 96.40	0.03 ~ 3.20	8.3 x 8.3 x 9.8	168
10.8	RCH8011	10 uH ~ 1 mH	0.035 ~ 1.915	0.49 ~ 4.40	8.3 x 8.3 x 10.8	170
6.5	RCH106	1 uH ~ 10 mH	0.005 ~ 3.200	0.36 ~ 9.30	10.5 x 10.5 x 6.5	171
8.5	RCH108	2.2 uH ~ 10mH	0.009 ~ 2.100	0.45 ~ 7.90	10.5 x 10.5 x 8.5	172
10.5	RCH110	10 uH ~ 1 mH	0.022 ~ 1.700	0.53 ~ 5.30	10.5 x 10.5 x 10.5	173
14.4	RCH114	6.3 uH ~ 39 mH	0.026 ~ 58.00	0.09 ~ 4.30	10.5 x 10.5 x 14.4	174
16.0	RCH1616	4.7 uH ~ 1 mH	0.007 ~ 0.665	0.85 ~ 12.6	15.0 x 15.0 x 16.0	176
21.0	RCH1921	1 uH ~ 10 mH	0.320 ~ 3.410	0.55 ~ 1.70	19.0 x 19.0 x 21.0	177
6.5	RCR664D	2.7 uH ~ 1 mH	0.042 ~ 5.560	0.14 ~ 2.42	6.5 x 6.5 x 6.5	178
7.5	RCR875D	1.2 uH ~ 8.2 mH	0.018 ~ 30.60	0.08 ~ 4.14	8.3 x 8.3 x 7.5	179
10.5	RCR1010	10 uH ~ 1 mH	0.025 ~ 1.490	0.48 ~ 4.80	10.5 x 10.5 x 10.5	181
10.5	RCR110D	10 uH ~ 1 mH	0.023 ~ 1.500	0.35 ~ 3.51	10.5 x 10.5 x 10.5	182

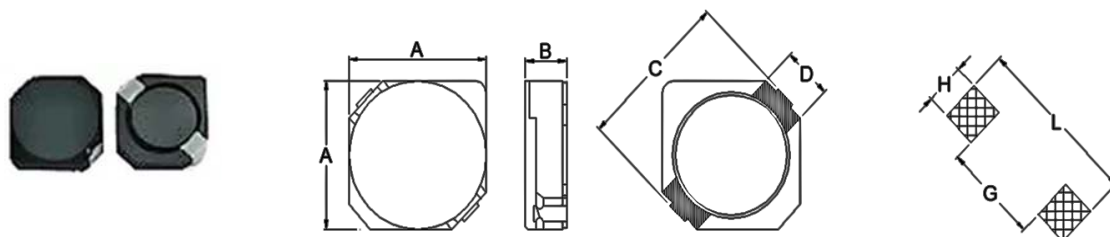
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH2D11A	3.0 ± 0.2	1.3 Max.	4.5 Max.	1.0 ± 0.2	4.30	1.70	1.30	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH2D11A-1R5NC	1.5 ± 30%	100	0.068	0.90	1.48
SDRH2D11A-2R2NC	2.2 ± 30%	100	0.098	0.78	1.27
SDRH2D11A-3R3NC	3.3 ± 30%	100	0.123	0.60	1.02
SDRH2D11A-4R7NC	4.7 ± 30%	100	0.170	0.50	0.88
SDRH2D11A-6R8NC	6.8 ± 30%	100	0.260	0.44	0.78
SDRH2D11A-100NC	10 ± 30%	100	0.400	0.35	0.65

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

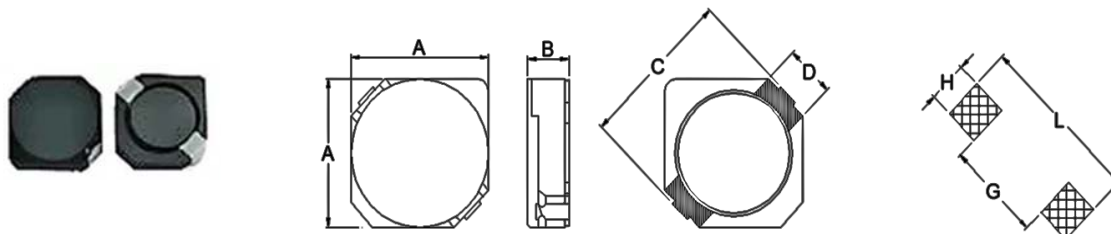
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH2D14A	3.0 ± 0.2	1.6 Max.	4.5 Max.	1.0 ± 0.2	4.30	1.70	1.30	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH2D14A-1R2NC	1.2 ± 30%	100	0.049	1.95	2.75
SDRH2D14A-1R5NC	1.5 ± 30%	100	0.063	1.80	2.00
SDRH2D14A-1R8NC	1.8 ± 30%	100	0.075	1.65	1.80
SDRH2D14A-2R2NC	2.2 ± 30%	100	0.094	1.50	1.60
SDRH2D14A-2R7NC	2.7 ± 30%	100	0.106	1.35	1.40
SDRH2D14A-3R3NC	3.3 ± 30%	100	0.125	1.20	1.24
SDRH2D14A-3R9NC	3.9 ± 30%	100	0.138	1.10	1.12
SDRH2D14A-4R7NC	4.7 ± 30%	100	0.169	1.00	1.00
SDRH2D14A-5R6NC	5.6 ± 30%	100	0.188	0.95	0.98
SDRH2D14A-6R8NC	6.8 ± 30%	100	0.213	0.85	0.92
SDRH2D14A-8R2NC	8.2 ± 30%	100	0.281	0.80	0.80
SDRH2D14A-100NC	10 ± 30%	100	0.294	0.70	0.76
SDRH2D14A-120NC	12 ± 30%	100	0.394	0.62	0.64

NOTES:

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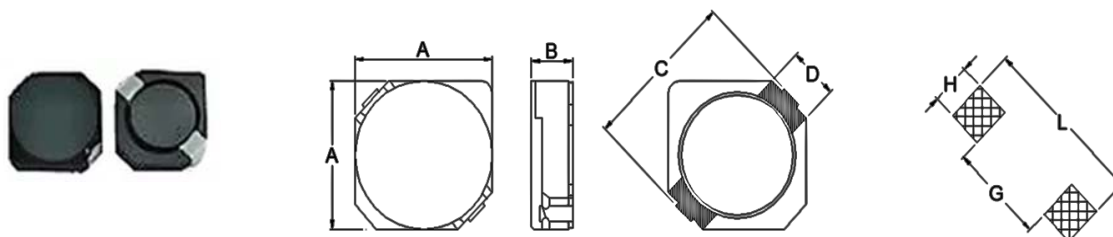
Features

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Applications

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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH2D18A	3.0 ± 0.2	2.0 Max.	4.5 Max.	1.0 ± 0.2	4.30	1.70	1.30	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH2D18A-2R2NC	2.2 ± 30%	100	0.041	0.85	2.30
SDRH2D18A-3R3NC	3.3 ± 30%	100	0.054	0.75	2.10
SDRH2D18A-4R7NC	4.7 ± 30%	100	0.078	0.63	1.65
SDRH2D18A-6R8NC	6.8 ± 30%	100	0.106	0.52	1.32
SDRH2D18A-100NC	10 ± 30%	100	0.180	0.43	1.00
SDRH2D18A-150NC	15 ± 30%	100	0.220	0.35	0.80
SDRH2D18A-220NC	22 ± 30%	100	0.320	0.30	0.68
SDRH2D18A-330NC	33 ± 30%	100	0.460	0.24	0.56
SDRH2D18A-470NC'	47 ± 30%	100	0.660	0.20	0.48

NOTES:

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Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

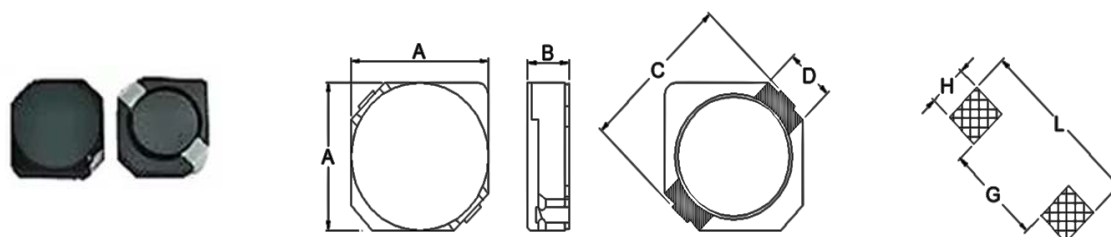
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Applications

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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH3D11A	3.8 ± 0.2	1.3 Max.	5.2 Max.	1.1 ± 0.2	5.20	2.40	1.50	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D11A-2R7NC	2.7 ± 30%	100	0.078	0.53	1.82
SDRH3D11A-4R7NC	4.7 ± 30%	100	0.123	0.40	1.38
SDRH3D11A-6R8NC	6.8 ± 30%	100	0.180	0.34	1.05
SDRH3D11A-8R2NC	8.2 ± 30%	100	0.204	0.32	0.93
SDRH3D11A-100NC	10 ± 30%	100	0.240	0.28	0.90
SDRH3D11A-120NC	12 ± 30%	100	0.276	0.25	0.81
SDRH3D11A-150NC	15 ± 30%	100	0.372	0.23	0.68
SDRH3D11A-180NC	18 ± 30%	100	0.468	0.21	0.58
SDRH3D11A-220NC	22 ± 30%	100	0.540	0.19	0.53
SDRH3D11A-270NC	27 ± 30%	100	0.726	0.17	0.48
SDRH3D11A-330NC	33 ± 30%	100	0.822	0.15	0.41
SDRH3D11A-390NC	39 ± 30%	100	0.942	0.14	0.40

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

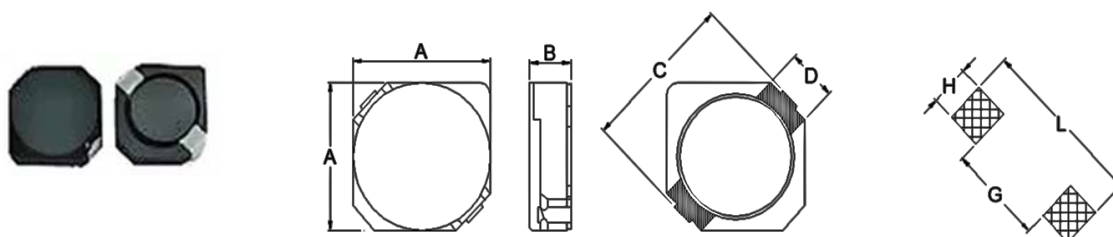
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH3D16A	3.8 ± 0.2	1.8 Max.	5.2 Max.	1.1 ± 0.2	5.20	2.40	1.50	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D16A-1R5NC	1.5 ± 30%	100	0.051	2.00	2.40
SDRH3D16A-2R2NC	2.2 ± 30%	100	0.059	1.75	2.30
SDRH3D16A-3R3NC	3.3 ± 30%	100	0.085	1.40	1.80
SDRH3D16A-4R7NC	4.7 ± 30%	100	0.116	1.20	1.50
SDRH3D16A-6R8NC	6.8 ± 30%	100	0.180	1.00	1.10
SDRH3D16A-100NC	10 ± 30%	100	0.230	0.84	1.00
SDRH3D16A-150NC	15 ± 30%	100	0.410	0.65	0.75
SDRH3D16A-220NC	22 ± 30%	100	0.610	0.55	0.52
SDRH3D16A-330NC	33 ± 30%	100	0.870	0.46	0.41

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

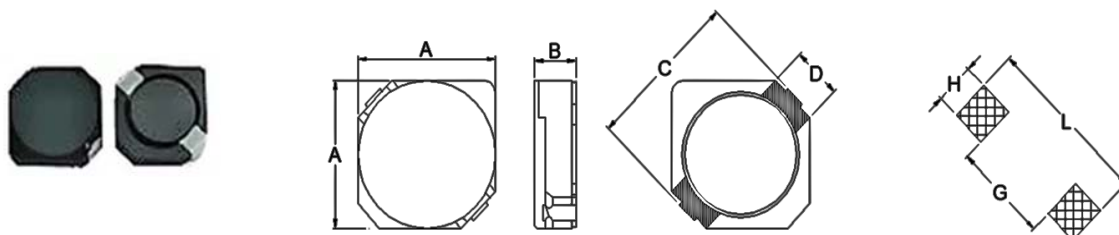
Features

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- Magnetic shielded type against radiation

Applications

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Shapes and Dimensions



Packing Q'ty : 2,500 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH3D23A	3.8 ± 0.2	2.5 Max.	5.2 Max.	1.1 ± 0.2	5.20	2.40	1.50	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D23A-R47NC	0.47 ± 30%	100	0.024	3.45	3.70
SDRH3D23A-1R0NC	1.0 ± 30%	100	0.025	3.30	3.50
SDRH3D23A-1R5NC	1.5 ± 30%	100	0.029	2.67	3.20
SDRH3D23A-2R2NC	2.2 ± 30%	100	0.038	2.10	2.50
SDRH3D23A-3R3NC	3.3 ± 30%	100	0.056	1.70	2.20
SDRH3D23A-4R7NC	4.7 ± 30%	100	0.069	1.52	1.90
SDRH3D23A-5R6NC	5.6 ± 30%	100	0.075	1.28	1.80
SDRH3D23A-6R8NC	6.8 ± 30%	100	0.079	1.17	1.70
SDRH3D23A-8R2NC	8.2 ± 30%	100	0.094	1.10	1.60
SDRH3D23A-100MC	10 ± 20%	100	0.117	0.95	1.40
SDRH3D23A-150MC	15 ± 20%	100	0.191	0.81	1.00
SDRH3D23A-220MC	22 ± 20%	100	0.270	0.63	0.80
SDRH3D23A-330MC	33 ± 20%	100	0.381	0.56	0.65
SDRH3D23A-470MC	47 ± 20%	100	0.546	0.41	0.60

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

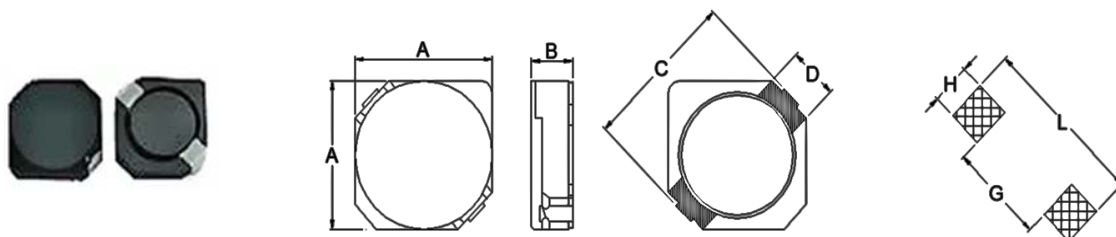
Features

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Applications

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Shapes and Dimensions



Packing Q'ty : 2,500 pcs/reel

Type	A	B	C	D	L	G	H	
SDRH3D28A	3.8 ± 0.2	3.0 Max.	5.2 Max.	1.1 ± 0.2	5.20	2.40	1.50	

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D28A-1R0NC	1.0 ± 30%	100	0.038	3.52	2.60
SDRH3D28A-3R3NC	3.3 ± 30%	100	0.072	0.35	1.85
SDRH3D28A-4R7NC	4.7 ± 30%	100	0.088	1.95	1.82
SDRH3D28A-6R8NC	6.8 ± 30%	100	0.119	1.46	1.32
SDRH3D28A-100NC	10.0 ± 30%	100	0.145	1.23	1.18
SDRH3D28A-150NC	15.0 ± 30%	100	0.213	1.05	1.02
SDRH3D28A-220NC	22.0 ± 30%	100	0.325	0.90	0.74
SDRH3D28A-330NC	33.0 ± 30%	100	0.481	0.68	0.63
SDRH3D28A-470NC	47.0 ± 30%	100	0.599	0.56	0.56

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

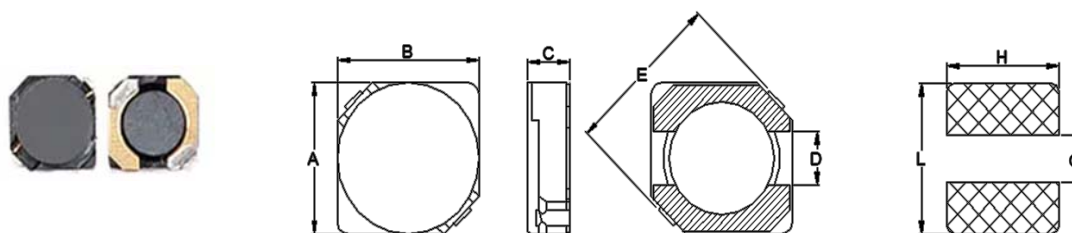
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Applications

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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH3D16	3.8 ± 0.2	3.8 ± 0.2	1.8 Max.	1.15	5.20	4.40	1.20	4.40

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D16-R47NC	0.47 ± 30%	100	0.035	2.75	3.00
SDRH3D16-1R0NC	1.0 ± 30%	100	0.050	1.90	2.20
SDRH3D16-1R5NC	1.5 ± 30%	100	0.052	1.55	1.80
SDRH3D16-2R2NC	2.2 ± 30%	100	0.072	1.20	1.45
SDRH3D16-3R3NC	3.3 ± 30%	100	0.085	1.10	1.32
SDRH3D16-4R7NC	4.7 ± 30%	100	0.105	0.90	1.18
SDRH3D16-6R8NC	6.8 ± 30%	100	0.170	0.73	0.95
SDRH3D16-100NC	10 ± 30%	100	0.210	0.55	0.82
SDRH3D16-150NC	15 ± 30%	100	0.295	0.45	0.70
SDRH3D16-220NC	22 ± 30%	100	0.430	0.40	0.60
SDRH3D16-330NC	33 ± 30%	100	0.675	0.32	0.51

NOTES:

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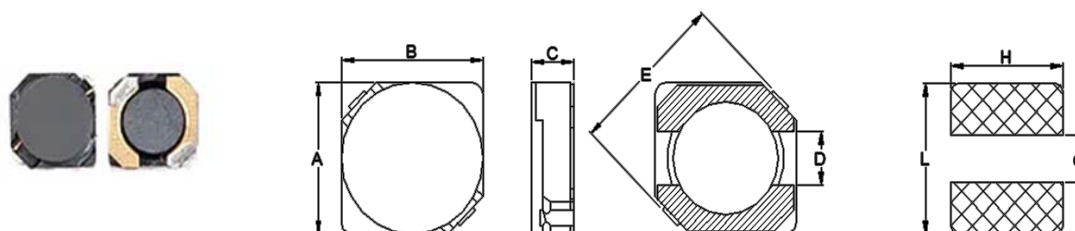
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH3D18	3.8 ± 0.2	3.8 ± 0.2	2.0 Max.	1.15	5.20	4.40	1.20	4.40

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D18-1R0NC	1.0 ± 30%	100	0.050	2.80	2.40
SDRH3D18-2R2NC	2.2 ± 30%	100	0.063	1.80	2.00
SDRH3D18-3R0NC	3.0 ± 30%	100	0.069	1.60	1.80
SDRH3D18-4R7NC	4.7 ± 30%	100	0.108	1.35	1.35
SDRH3D18-6R8NC	6.8 ± 30%	100	0.150	1.10	1.10
SDRH3D18-100NC	10 ± 30%	100	0.205	0.90	0.90
SDRH3D18-120NC	12 ± 30%	100	0.275	0.80	0.80
SDRH3D18-150NC	15 ± 30%	100	0.302	0.75	0.75
SDRH3D18-220NC	22 ± 30%	100	0.424	0.60	0.60
SDRH3D18-330NC	33 ± 30%	100	0.640	0.50	0.45
SDRH3D18-470NC	47 ± 30%	100	0.964	0.40	0.35

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

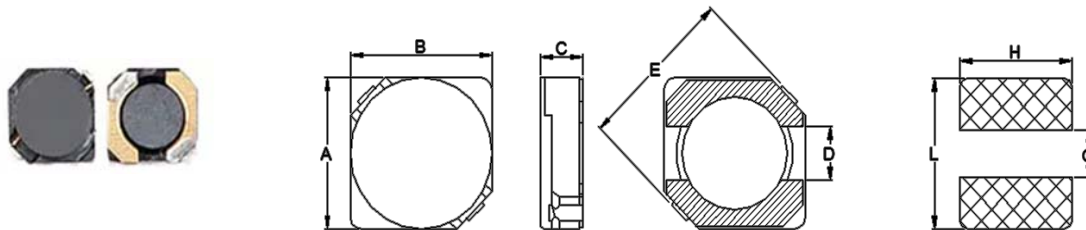
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 2,500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH3D28	3.8 ± 0.2	3.8 ± 0.2	3.0 Max.	1.15	5.20	4.40	1.20	4.40

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH3D28-100NC	10 ± 30%	100	0.092	0.50	1.52
SDRH3D28-120NC	12 ± 30%	100	0.100	0.45	1.48
SDRH3D28-150NC	15 ± 30%	100	0.113	0.40	1.44
SDRH3D28-180NC	18 ± 30%	100	0.125	0.35	1.37
SDRH3D28-220NC	22 ± 30%	100	0.146	0.33	1.28
SDRH3D28-270NC	27 ± 30%	100	0.176	0.29	1.18
SDRH3D28-330NC	33 ± 30%	100	0.214	0.29	1.15
SDRH3D28-390NC	39 ± 30%	100	0.225	0.25	1.00
SDRH3D28-470NC	47 ± 30%	100	0.304	0.23	0.81
SDRH3D28-560NC	56 ± 30%	100	0.324	0.20	0.76
SDRH3D28-680NC	68 ± 30%	100	0.472	0.18	0.60
SDRH3D28-820NC	82 ± 30%	100	0.539	0.17	0.58
SDRH3D28-101MC	100 ± 20%	100	0.608	0.16	0.52
SDRH3D28-121MC	120 ± 20%	100	0.757	0.13	0.50
SDRH3D28-151MC	150 ± 20%	100	0.882	0.12	0.48
SDRH3D28-181MC	180 ± 20%	100	1.130	0.11	0.42
SDRH3D28-221MC	220 ± 20%	100	1.269	0.10	0.36

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

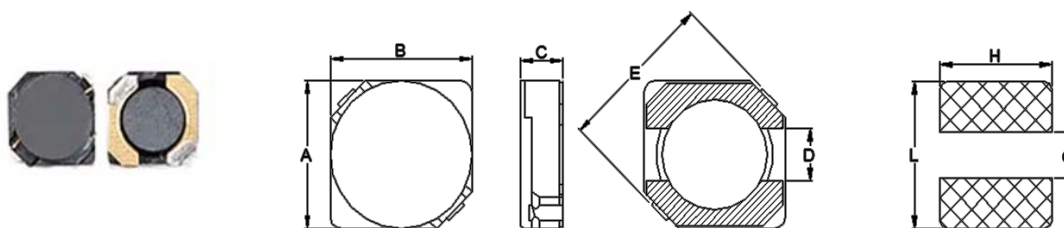
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 2,500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH4D18	4.7 ± 0.3	4.7 ± 0.3	2.0 Max.	1.50	6.90	5.30	1.50	5.30

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH4D18-1R0NC	1.0 ± 30%	100	0.045	1.72
SDRH4D18-2R2NC	2.2 ± 30%	100	0.075	1.32
SDRH4D18-2R7NC	2.7 ± 30%	100	0.105	1.28
SDRH4D18-3R3NC	3.3 ± 30%	100	0.110	1.04
SDRH4D18-3R9NC	3.9 ± 30%	100	0.155	0.88
SDRH4D18-4R7NC	4.7 ± 30%	100	0.162	0.84
SDRH4D18-5R6NC	5.6 ± 30%	100	0.170	0.80
SDRH4D18-6R8NC	6.8 ± 30%	100	0.200	0.76
SDRH4D18-8R2NC	8.2 ± 30%	100	0.245	0.68
SDRH4D18-100NC	10 ± 30%	100	0.200	0.61
SDRH4D18-120NC	12 ± 30%	100	0.210	0.56
SDRH4D18-150NC	15 ± 30%	100	0.240	0.50
SDRH4D18-180NC	18 ± 30%	100	0.338	0.48
SDRH4D18-220NC	22 ± 30%	100	0.397	0.41
SDRH4D18-270NC	27 ± 30%	100	0.441	0.35
SDRH4D18-330NC	33 ± 30%	100	0.694	0.32
SDRH4D18-390NC	39 ± 30%	100	0.709	0.30
SDRH4D18-470NC	47 ± 30%	100	0.922	0.28
SDRH4D18-560NC	56 ± 30%	100	1.080	0.26
SDRH4D18-680NC	68 ± 30%	100	1.300	0.24
SDRH4D18-820NC	82 ± 30%	100	1.550	0.22
SDRH4D18-101MC	100 ± 20%	100	1.730	0.20
SDRH4D18-121MC	120 ± 20%	100	2.390	0.18
SDRH4D18-151MC	150 ± 20%	100	2.670	0.15
SDRH4D18-181MC	180 ± 20%	100	4.000	0.14

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

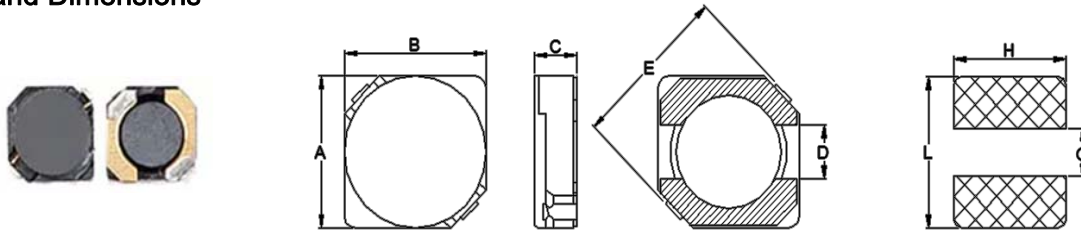
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH4D28	4.7 ± 0.3	4.7 ± 0.3	3.0 Max.	1.50	6.90	5.30	1.50	5.30

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH4D28-1R2NC	1.2 ± 30%	100	0.024	2.56
SDRH4D28-1R8NC	1.8 ± 30%	100	0.028	2.20
SDRH4D28-2R2NC	2.2 ± 30%	100	0.031	2.04
SDRH4D28-2R7NC	2.7 ± 30%	100	0.043	1.60
SDRH4D28-3R3NC	3.3 ± 30%	100	0.049	1.57
SDRH4D28-3R9NC	3.9 ± 30%	100	0.065	1.44
SDRH4D28-4R7NC	4.7 ± 30%	100	0.072	1.32
SDRH4D28-5R6NC	5.6 ± 30%	100	0.101	1.17
SDRH4D28-6R8NC	6.8 ± 30%	100	0.109	1.12
SDRH4D28-8R2NC	8.2 ± 30%	100	0.118	1.04
SDRH4D28-100NC	10 ± 30%	100	0.128	1.00
SDRH4D28-120NC	12 ± 30%	100	0.132	0.84
SDRH4D28-150NC	15 ± 30%	100	0.149	0.76
SDRH4D28-180NC	18 ± 30%	100	0.166	0.72
SDRH4D28-220NC	22 ± 30%	100	0.235	0.70
SDRH4D28-270NC	27 ± 30%	100	0.261	0.58
SDRH4D28-330NC	33 ± 30%	100	0.378	0.56
SDRH4D28-390NC	39 ± 30%	100	0.384	0.50
SDRH4D28-470NC	47 ± 30%	100	0.587	0.48
SDRH4D28-560NC	56 ± 30%	100	0.625	0.41
SDRH4D28-680NC	68 ± 30%	100	0.699	0.35
SDRH4D28-820NC	82 ± 30%	100	0.915	0.32
SDRH4D28-101NC	100 ± 30%	100	1.020	0.29
SDRH4D28-121NC	120 ± 30%	100	1.270	0.27
SDRH4D28-151NC	150 ± 30%	100	1.350	0.24
SDRH4D28-181NC	180 ± 30%	100	1.540	0.22
SDRH4D28-221NC	220 ± 30%	100	1.720	0.20
SDRH4D28-271NC	270 ± 30%	100	1.950	0.16
SDRH4D28-331NC	330 ± 30%	100	2.660	0.14
SDRH4D28-391NC	390 ± 30%	100	2.830	0.13

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

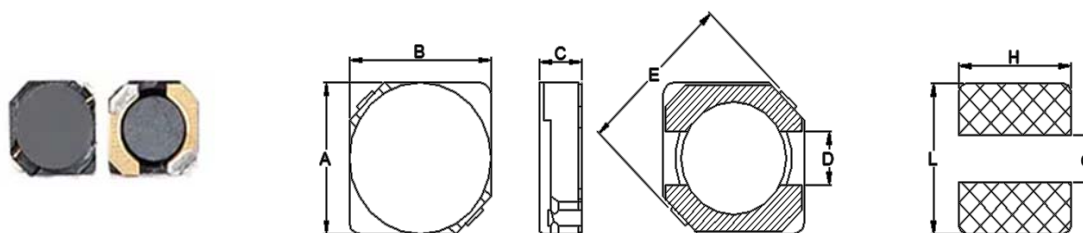
Features

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- Magnetic shielded type against radiation

Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH5D18	5.7 ± 0.3	5.7 ± 0.3	2.0 Max.	2.00	8.20	6.30	2.00	6.30

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH5D18-4R1NC	4.1 ± 30%	100	0.057	1.95
SDRH5D18-6R2NC	6.2 ± 30%	100	0.096	1.40
SDRH5D18-100NC	10 ± 30%	100	0.124	1.20
SDRH5D18-120NC	12 ± 30%	100	0.153	1.10
SDRH5D18-150NC	15 ± 30%	100	0.196	0.97
SDRH5D18-180NC	18 ± 30%	100	0.210	0.85
SDRH5D18-220NC	22 ± 30%	100	0.290	0.80
SDRH5D18-330NC	33 ± 30%	100	0.386	0.65
SDRH5D18-470NC	47 ± 30%	100	0.595	0.54
SDRH5D18-680NC	68 ± 30%	100	0.840	0.43
SDRH5D18-820NC	82 ± 30%	100	0.978	0.41
SDRH5D18-101MC	100 ± 20%	100	1.200	0.36
SDRH5D18-121MC	120 ± 20%	100	1.500	0.33
SDRH5D18-151MC	150 ± 20%	100	1.710	0.31
SDRH5D18-181MC	180 ± 20%	100	2.240	0.28

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

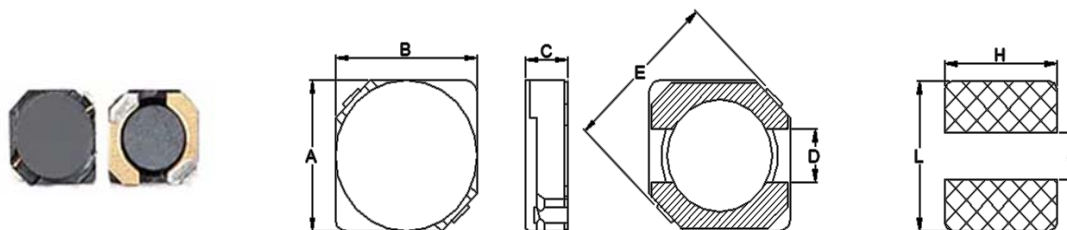
Features

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Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH5D28	5.7 ± 0.3	5.7 ± 0.3	3.0 Max.	2.00	8.20	6.30	2.00	6.30

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH5D28-1R0NC	1.0 ± 30%	100	0.015	2.80
SDRH5D28-2R2NC	2.2 ± 30%	100	0.023	2.60
SDRH5D28-5R6NC	5.6 ± 30%	100	0.038	1.90
SDRH5D28-8R2NC	8.2 ± 30%	100	0.053	1.60
SDRH5D28-100NC	10 ± 30%	100	0.065	1.30
SDRH5D28-120NC	12 ± 30%	100	0.076	1.20
SDRH5D28-180NC	18 ± 30%	100	0.110	1.00
SDRH5D28-220NC	22 ± 30%	100	0.122	0.90
SDRH5D28-330NC	33 ± 30%	100	0.189	0.75
SDRH5D28-470NC	47 ± 30%	100	0.260	0.62
SDRH5D28-680NC	68 ± 30%	100	0.355	0.52
SDRH5D28-101MC	100 ± 20%	100	0.520	0.42
SDRH5D28-151MC	150 ± 20%	100	0.680	0.35
SDRH5D28-181MC	180 ± 20%	100	0.930	0.32
SDRH5D28-221MC	220 ± 20%	100	1.150	0.30
SDRH5D28-271MC	270 ± 20%	100	1.560	0.27
SDRH5D28-331MC	330 ± 20%	100	1.980	0.25

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

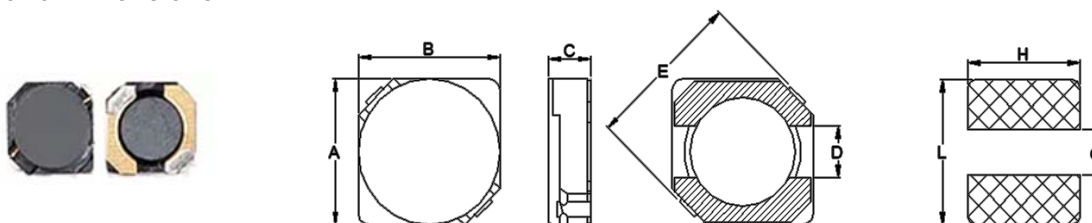
Features

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Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH6D28	6.7 ± 0.3	6.7 ± 0.3	3.0 Max.	2.00	9.50	7.30	2.00	7.30

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH6D28-2R2MC	2.2 ± 20%	100	0.024	3.00
SDRH6D28-3R0NC	3.0 ± 30%	100	0.024	3.00
SDRH6D28-3R3MC	3.3 ± 20%	100	0.027	2.60
SDRH6D28-3R9NC	3.9 ± 30%	100	0.027	2.60
SDRH6D28-5R0NC	5.0 ± 30%	100	0.031	2.40
SDRH6D28-6R0NC	6.0 ± 30%	100	0.035	2.25
SDRH6D28-7R3NC	7.3 ± 30%	100	0.054	2.10
SDRH6D28-8R6NC	8.6 ± 30%	100	0.058	1.85
SDRH6D28-100NC	10.0 ± 30%	100	0.065	1.70
SDRH6D28-120NC	12.0 ± 30%	100	0.070	1.55
SDRH6D28-150NC	15.0 ± 30%	100	0.084	1.40
SDRH6D28-180NC	18.0 ± 30%	100	0.095	1.32
SDRH6D28-220NC	22.0 ± 30%	100	0.128	1.20
SDRH6D28-270NC	27.0 ± 30%	100	0.142	1.05
SDRH6D28-330NC	33.0 ± 30%	100	0.165	0.97
SDRH6D28-390NC	39.0 ± 30%	100	0.210	0.86
SDRH6D28-470NC	47.0 ± 30%	100	0.238	0.80
SDRH6D28-560NC	56.0 ± 30%	100	0.277	0.73
SDRH6D28-680NC	68.0 ± 30%	100	0.304	0.65
SDRH6D28-820NC	82.0 ± 30%	100	0.390	0.60
SDRH6D28-101MC	100 ± 20%	100	0.535	0.54
SDRH6D28-121MC	120 ± 20%	100	0.750	0.51
SDRH6D28-151MC	150 ± 20%	100	0.950	0.47
SDRH6D28-181MC	180 ± 20%	100	1.200	0.41
SDRH6D28-221MC	220 ± 20%	100	1.500	0.37
SDRH6D28-271MC	270 ± 20%	100	1.700	0.33
SDRH6D28-331MC	330 ± 20%	100	2.150	0.28
SDRH6D28-391MC	390 ± 20%	100	2.250	0.27
SDRH6D28-471MC	470 ± 20%	100	3.150	0.21

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

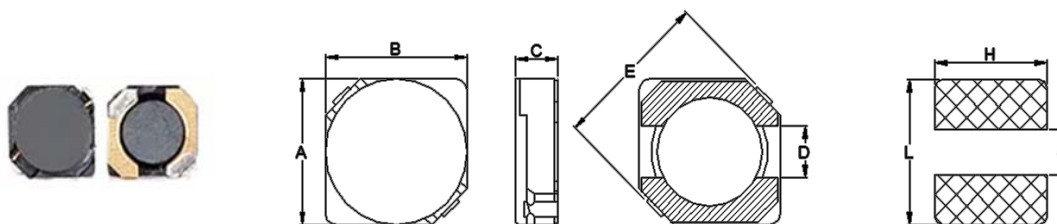
Features

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- Magnetic shielded type against radiation

Applications

- Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH6D38	6.7 ± 0.3	6.7 ± 0.3	3.0 Max.	2.00	9.50	7.30	2.00	7.30

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH6D38-3R0NC	3.0 ± 30%	100	0.020	3.50
SDRH6D38-5R0NC	5.0 ± 30%	100	0.024	2.90
SDRH6D38-6R2NC	6.2 ± 30%	100	0.027	2.50
SDRH6D38-7R3NC	7.3 ± 30%	100	0.031	2.30
SDRH6D38-8R6NC	8.6 ± 30%	100	0.034	2.20
SDRH6D38-100NC	10 ± 30%	100	0.038	2.00
SDRH6D38-120NC	12 ± 30%	100	0.053	1.70
SDRH6D38-150NC	15 ± 30%	100	0.057	1.60
SDRH6D38-180NC	18 ± 30%	100	0.092	1.50
SDRH6D38-220NC	22 ± 30%	100	0.096	1.30
SDRH6D38-270NC	27 ± 30%	100	0.109	1.20
SDRH6D38-330NC	33 ± 30%	100	0.124	1.10
SDRH6D38-390NC	39 ± 30%	100	0.138	1.00
SDRH6D38-470NC	47 ± 30%	100	0.155	0.95
SDRH6D38-560NC	56 ± 30%	100	0.202	0.85
SDRH6D38-680NC	68 ± 30%	100	0.234	0.75
SDRH6D38-820NC	82 ± 30%	100	0.324	0.70
SDRH6D38-101MC	100 ± 20%	100	0.358	0.65
SDRH6D38-121MC	120 ± 20%	100	0.470	0.59
SDRH6D38-151MC	150 ± 20%	100	0.580	0.54
SDRH6D38-181MC	180 ± 20%	100	0.690	0.49
SDRH6D38-221MC	220 ± 20%	100	0.890	0.43
SDRH6D38-271MC	270 ± 20%	100	1.290	0.40
SDRH6D38-331MC	330 ± 20%	100	1.700	0.37
SDRH6D38-391MC	390 ± 30%	100	1.750	0.34
SDRH6D38-471MC	470 ± 20%	100	2.200	0.32
SDRH6D38-561MC	560 ± 20%	100	2.850	0.29
SDRH6D38-681MC	680 ± 20%	100	3.200	0.25

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

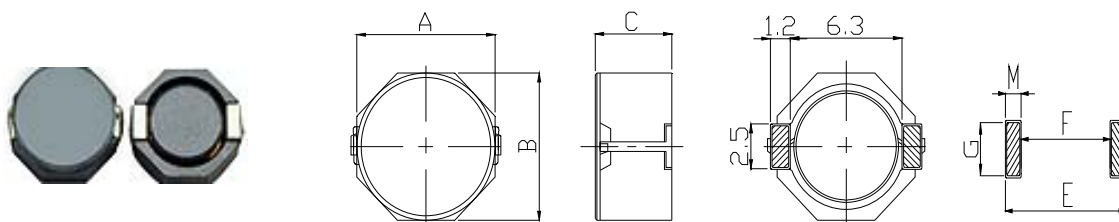
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	F	G	M
SDRH8D28	8.0 ± 0.3	8.0 ± 0.3	3.0 Max.	-	10.1	6.1	2.8	2.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH8D28-1R0NC	1.0 ± 30%	100	0.011	6.50	7.00
SDRH8D28-2R5NC	2.5 ± 30%	100	0.016	4.50	6.40
SDRH8D28-3R3NC	3.3 ± 30%	100	0.019	4.00	6.00
SDRH8D28-4R7NC	4.7 ± 30%	100	0.025	3.40	4.50
SDRH8D28-7R3NC	7.3 ± 30%	100	0.039	2.80	3.40
SDRH8D28-100NC	10 ± 30%	100	0.047	2.50	3.20
SDRH8D28-150NC	15 ± 30%	100	0.069	1.90	2.35
SDRH8D28-220NC	22 ± 30%	100	0.099	1.60	1.85
SDRH8D28-330NC	33 ± 30%	100	0.156	1.30	1.49
SDRH8D28-470NC	47 ± 30%	100	0.195	1.15	1.30
SDRH8D28-680NC	68 ± 30%	100	0.286	0.92	0.98
SDRH8D28-101MC	100 ± 20%	100	0.430	0.75	0.80

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

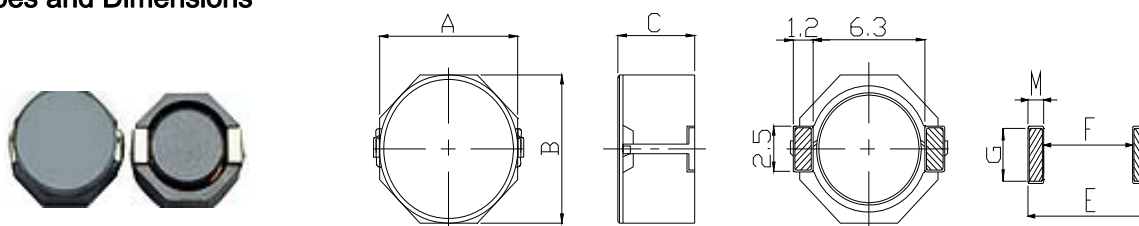
Features

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- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	M
SDRH8D38	8.0 ± 0.3	8.0 ± 0.3	4.0 Max.	-	10.1	6.1	2.8	2.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH8D38-1R8NC	1.8 ± 30%	100	0.016	7.00	6.80
SDRH8D38-2R5NC	2.5 ± 30%	100	0.018	6.50	6.00
SDRH8D38-3R5NC	3.5 ± 30%	100	0.024	5.00	5.20
SDRH8D38-4R7NC	4.7 ± 30%	100	0.029	4.60	4.40
SDRH8D38-6R0NC	6.0 ± 30%	100	0.032	4.20	4.00
SDRH8D38-100NC	10 ± 30%	100	0.048	3.00	3.20
SDRH8D38-150NC	15 ± 30%	100	0.067	2.75	2.50
SDRH8D38-220NC	22 ± 30%	100	0.105	2.30	2.00
SDRH8D38-330NC	33 ± 30%	100	0.157	1.75	1.60
SDRH8D38-470NC	47 ± 30%	100	0.189	1.52	1.42
SDRH8D38-680NC	68 ± 30%	100	0.290	1.30	1.08
SDRH8D38-101MC	100 ± 20%	100	0.410	1.05	0.88

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

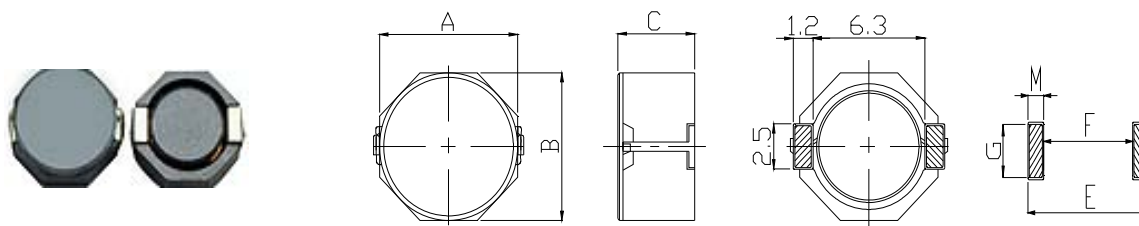
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	M
SDRH8D43	8.0 ± 0.3	8.0 ± 0.3	4.5 Max.	-	10.1	6.1	2.8	2.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH8D43-1R0NC	1.0 ± 30%	100	0.010	8.50	6.60
SDRH8D43-1R2NC	1.2 ± 30%	100	0.013	8.00	6.20
SDRH8D43-2R2NC	2.2 ± 30%	100	0.014	7.00	5.50
SDRH8D43-3R9NC	3.9 ± 30%	100	0.019	5.90	4.50
SDRH8D43-4R7NC	4.7 ± 30%	100	0.022	5.60	4.10
SDRH8D43-6R8NC	6.8 ± 30%	100	0.025	4.40	3.90
SDRH8D43-100NC	10 ± 30%	100	0.036	4.00	3.20
SDRH8D43-150NC	15 ± 30%	100	0.053	2.90	2.30
SDRH8D43-220NC	22 ± 30%	100	0.075	2.60	1.80
SDRH8D43-330NC	33 ± 30%	100	0.125	2.20	1.40
SDRH8D43-470NC	47 ± 30%	100	0.150	1.80	1.30
SDRH8D43-680NC	68 ± 30%	100	0.240	1.50	1.00
SDRH8D43-101MC	100 ± 20%	100	0.360	1.30	0.80

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

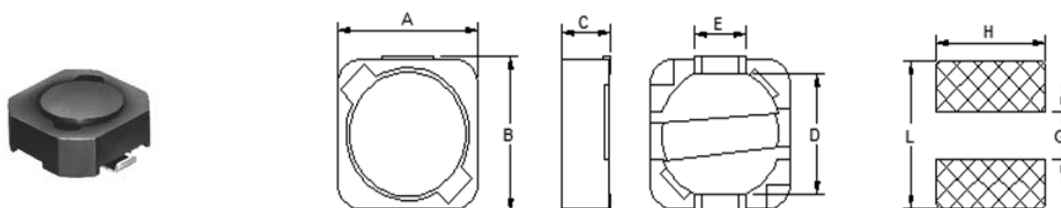
Features

1. Excellent solderability and high heat resistance.
2. Takes up less PCB real estate and save more power
3. Suitable for surface mounting equipment
4. With magnetic shield against radiation

Applications

Ideally used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH62B	6.2 ± 0.3	5.9 ± 0.3	3.0 Max.	4.6 ± 0.2	1.5	7.3	4.0	2.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH62B-2R9NC	2.9 ± 30%	100	0.068	1.94
SDRH62B-4R0NC	4.0 ± 30%	100	0.080	1.63
SDRH62B-5R5NC	5.5 ± 30%	100	0.096	1.40
SDRH62B-6R3NC	6.3 ± 30%	100	0.100	1.30
SDRH62B-7R1NC	7.1 ± 30%	100	0.110	1.22
SDRH62B-8R0NC	8.0 ± 30%	100	0.120	1.15
SDRH62B-100MC	10 ± 20%	100	0.150	1.10
SDRH62B-120MC	12 ± 20%	100	0.200	1.00
SDRH62B-150MC	15 ± 20%	100	0.230	0.90
SDRH62B-180MC	18 ± 20%	100	0.270	0.80
SDRH62B-220MC	22 ± 20%	100	0.340	0.74
SDRH62B-270MC	27 ± 20%	100	0.380	0.66
SDRH62B-330MC	33 ± 20%	100	0.450	0.59
SDRH62B-390MC	39 ± 20%	100	0.490	0.54
SDRH62B-470MC	47 ± 20%	100	0.690	0.50
SDRH62B-560MC	56 ± 20%	100	0.780	0.46
SDRH62B-680MC	68 ± 20%	100	1.070	0.42
SDRH62B-820MC	82 ± 20%	100	1.210	0.38
SDRH62B-101MC	100 ± 20%	100	1.390	0.34
SDRH62B-121MC	120 ± 20%	100	1.900	0.31
SDRH62B-151MC	150 ± 20%	100	2.180	0.28
SDRH62B-181MC	180 ± 20%	100	2.770	0.26
SDRH62B-221MC	220 ± 20%	100	3.120	0.23
SDRH62B-271MC	270 ± 20%	100	4.380	0.22
SDRH62B-331MC	330 ± 20%	100	4.940	0.19
SDRH62B-102MC	1,000 ± 20%	100	10.800	0.08

NOTES:

All test data is referenced to 25°C ambient

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

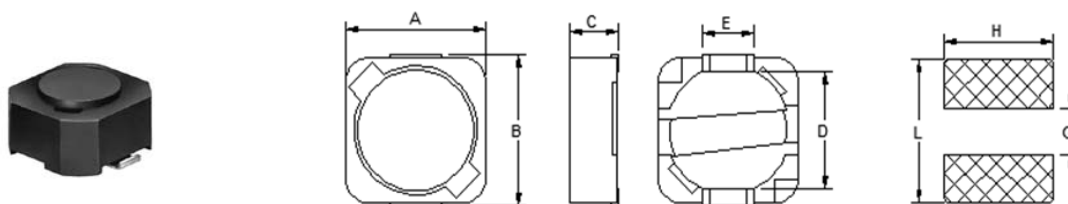
Features

1. Excellent solderability and high heat resistance.
2. Takes up less PCB real estate and save more power
3. Suitable for surface mounting equipment
4. With magnetic shield against radiation

Applications

Idealy used in Mobilephone, PDS, MP3, DVC, Portable DVD etc.. As DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH64B	6.2 ± 0.3	5.9 ± 0.3	4.5 Max.	4.6 ± 0.2	1.5	7.3	4.0	2.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH64B-100MC	10 ± 20%	100	0.120	1.35
SDRH64B-120MC	12 ± 20%	100	0.130	1.20
SDRH64B-150MC	15 ± 20%	100	0.180	1.10
SDRH64B-180MC	18 ± 20%	100	0.240	1.00
SDRH64B-220MC	22 ± 20%	100	0.270	0.91
SDRH64B-270MC	27 ± 20%	100	0.300	0.82
SDRH64B-330MC	33 ± 20%	100	0.330	0.75
SDRH64B-390MC	39 ± 20%	100	0.370	0.69
SDRH64B-470MC	47 ± 20%	100	0.520	0.62
SDRH64B-560MC	56 ± 20%	100	0.560	0.58
SDRH64B-680MC	68 ± 20%	100	0.630	0.52
SDRH64B-820MC	82 ± 20%	100	0.710	0.47
SDRH64B-101MC	100 ± 20%	100	1.030	0.43
SDRH64B-121MC	120 ± 20%	100	1.150	0.39
SDRH64B-151MC	150 ± 20%	100	1.680	0.35
SDRH64B-181MC	180 ± 20%	100	1.870	0.32
SDRH64B-221MC	220 ± 20%	100	2.080	0.29
SDRH64B-271MC	270 ± 20%	100	2.370	0.26
SDRH64B-331MC	330 ± 20%	100	2.670	0.23
SDRH64B-391MC	390 ± 20%	100	2.940	0.22
SDRH64B-471MC	470 ± 20%	100	3.930	0.20
SDRH64B-561MC	560 ± 20%	100	5.430	0.18
SDRH64B-681MC	680 ± 20%	100	7.320	0.17
SDRH64B-821MC	820 ± 20%	100	8.240	0.15
SDRH64B-102MC	1,000 ± 20%	100	9.260	0.14

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

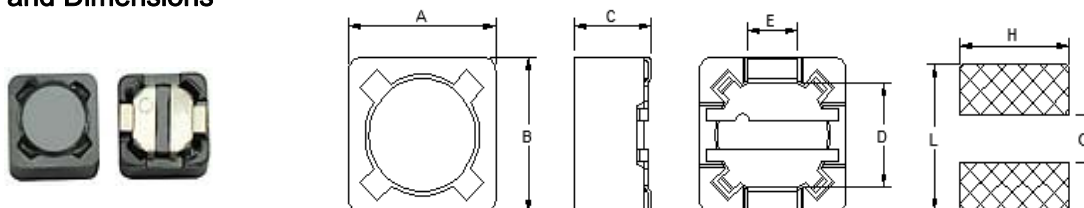
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH73	7.3 ± 0.3	7.3 ± 0.3	3.5 Max.	5.4 ± 0.2	1.8	8.0	4.8	2.2

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH73-1R0NC	1.0 ± 30%	100	0.016	7.97
SDRH73-1R5NC	1.5 ± 30%	100	0.023	5.50
SDRH73-2R2NC	2.2 ± 30%	100	0.027	4.50
SDRH73-3R3NC	3.3 ± 30%	100	0.031	4.00
SDRH73-3R9NC	3.9 ± 30%	100	0.041	3.80
SDRH73-4R7NC	4.7 ± 30%	100	0.048	3.50
SDRH73-5R6NC	5.6 ± 30%	100	0.056	3.00
SDRH73-6R8NC	6.8 ± 30%	100	0.062	2.50
SDRH73-100NC	10 ± 30%	100	0.072	1.68
SDRH73-120MC	12 ± 20%	100	0.098	1.52
SDRH73-150MC	15 ± 20%	100	0.130	1.33
SDRH73-180MC	18 ± 20%	100	0.140	1.20
SDRH73-220MC	22 ± 20%	100	0.190	1.07
SDRH73-270MC	27 ± 20%	100	0.210	0.96
SDRH73-330MC	33 ± 20%	100	0.240	0.91
SDRH73-390MC	39 ± 20%	100	0.320	0.77
SDRH73-470MC	47 ± 20%	100	0.360	0.76
SDRH73-560MC	56 ± 20%	100	0.470	0.68
SDRH73-680MC	68 ± 20%	100	0.520	0.61
SDRH73-820MC	82 ± 20%	100	0.690	0.57
SDRH73-101MC	100 ± 20%	100	0.790	0.50
SDRH73-121MC	120 ± 20%	100	0.890	0.49
SDRH73-151MC	150 ± 20%	100	1.270	0.43
SDRH73-181MC	180 ± 20%	100	1.450	0.39
SDRH73-221MC	220 ± 20%	100	1.650	0.35
SDRH73-271MC	270 ± 20%	100	2.310	0.32
SDRH73-331MC	330 ± 20%	100	2.620	0.28
SDRH73-391MC	390 ± 20%	100	2.940	0.26
SDRH73-471MC	470 ± 20%	100	4.180	0.24
SDRH73-561MC	560 ± 20%	100	4.670	0.22
SDRH73-681MC	680 ± 20%	100	5.730	0.19
SDRH73-821MC	820 ± 20%	100	6.540	0.18
SDRH73-102MC	1,000 ± 20%	100	9.440	0.16

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

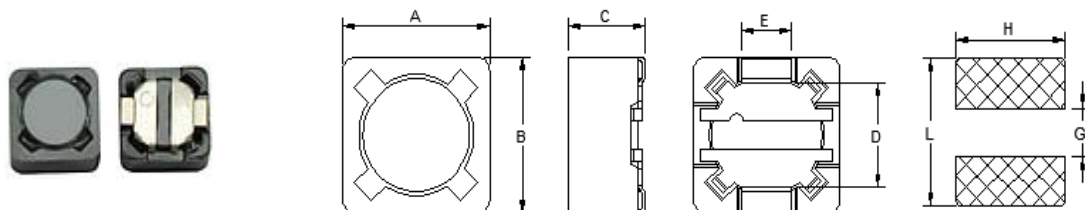
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH73	7.3 ± 0.3	7.3 ± 0.3	4.5 Max.	5.4 ± 0.2	1.8	8.0	4.8	2.2

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH74-1R0NC	1.0 ± 30%	100	0.015	9.00
SDRH74-1R5NC	1.5 ± 30%	100	0.180	7.00
SDRH74-2R2NC	2.2 ± 30%	100	0.028	6.00
SDRH74-3R3NC	3.3 ± 30%	100	0.032	4.80
SDRH74-3R9NC	3.9 ± 30%	100	0.035	4.40
SDRH74-4R7NC	4.7 ± 30%	100	0.038	4.00
SDRH74-5R6NC	5.6 ± 30%	100	0.040	3.50
SDRH74-6R8NC	6.8 ± 30%	100	0.045	3.00
SDRH74-100NC	10 ± 30%	100	0.049	1.84
SDRH74-120MC	12 ± 20%	100	0.058	1.71
SDRH74-150MC	15 ± 20%	100	0.081	1.47
SDRH74-180MC	18 ± 20%	100	0.091	1.31
SDRH74-220MC	22 ± 20%	100	0.110	1.23
SDRH74-270MC	27 ± 20%	100	0.150	1.12
SDRH74-330MC	33 ± 20%	100	0.170	0.96
SDRH74-390MC	39 ± 20%	100	0.230	0.91
SDRH74-470MC	47 ± 20%	100	0.260	0.88
SDRH74-560MC	56 ± 20%	100	0.350	0.80
SDRH74-680MC	68 ± 20%	100	0.380	0.70
SDRH74-820MC	82 ± 20%	100	0.430	0.61
SDRH74-101MC	100 ± 20%	100	0.610	0.60
SDRH74-121MC	120 ± 20%	100	0.660	0.52
SDRH74-151MC	150 ± 20%	100	0.880	0.46
SDRH74-181MC	180 ± 20%	100	0.980	0.42
SDRH74-221MC	220 ± 20%	100	1.170	0.36
SDRH74-271MC	270 ± 20%	100	1.640	0.34
SDRH74-331MC	330 ± 20%	100	1.860	0.32
SDRH74-391MC	390 ± 20%	100	2.850	0.29
SDRH74-471MC	470 ± 20%	100	3.010	0.26
SDRH74-561MC	560 ± 20%	100	3.620	0.23
SDRH74-681MC	680 ± 20%	100	4.630	0.22
SDRH74-821MC	820 ± 20%	100	5.200	0.20
SDRH74-102MC	1,000 ± 20%	100	6.000	0.18

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

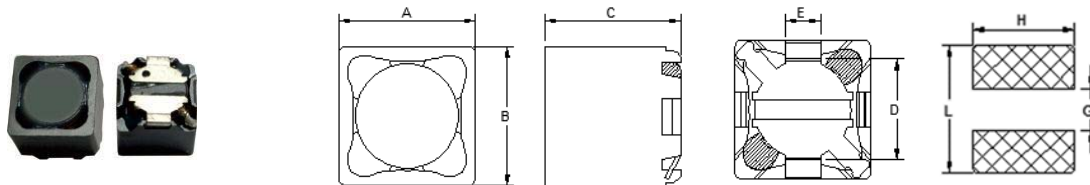
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH88	8.0 ± 0.3	8.0 ± 0.3	8.1 Max.	6.1 ± 0.2	2.3	8.5	5	2.7

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH88-1R0NC	1.0 ± 30%	100	0.010	9.50
SDRH88-2R2NC	2.2 ± 30%	100	0.013	7.50
SDRH88-3R3NC	3.3 ± 30%	100	0.015	6.80
SDRH88-4R7NC	4.7 ± 30%	100	0.020	5.20
SDRH88-6R8NC	6.8 ± 30%	100	0.030	4.10
SDRH88-100MC	10 ± 20%	100	0.034	3.70
SDRH88-120MC	12 ± 20%	100	0.039	3.50
SDRH88-150MC	15 ± 20%	100	0.043	3.35
SDRH88-188MC	18 ± 20%	100	0.052	3.10
SDRH88-220MC	22 ± 20%	100	0.065	2.90
SDRH88-270MC	27 ± 20%	100	0.072	2.65
SDRH88-330MC	33 ± 20%	100	0.083	2.35
SDRH88-390MC	39 ± 20%	100	0.091	2.20
SDRH88-470MC	47 ± 20%	100	0.116	2.00
SDRH88-560MC	56 ± 20%	100	0.135	1.80
SDRH88-688MC	68 ± 20%	100	0.147	1.60
SDRH88-820MC	82 ± 20%	100	0.163	1.45
SDRH88-101MC	100 ± 20%	100	0.182	1.30
SDRH88-121MC	120 ± 20%	100	0.205	1.20
SDRH88-151MC	150 ± 20%	100	0.325	1.12
SDRH88-181MC	180 ± 20%	100	0.427	1.00
SDRH88-221MC	220 ± 20%	100	0.484	0.91
SDRH88-271MC	270 ± 20%	100	0.650	0.82
SDRH88-331MC	330 ± 20%	100	0.802	0.75
SDRH88-391MC	390 ± 20%	100	1.140	0.70
SDRH88-471MC	470 ± 20%	100	1.320	0.65
SDRH88-561MC	560 ± 20%	100	1.560	0.60
SDRH88-681MC	688 ± 20%	100	1.780	0.50
SDRH88-821MC	820 ± 20%	100	1.930	0.45
SDRH88-102MC	1,000 ± 20%	100	2.650	0.40

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

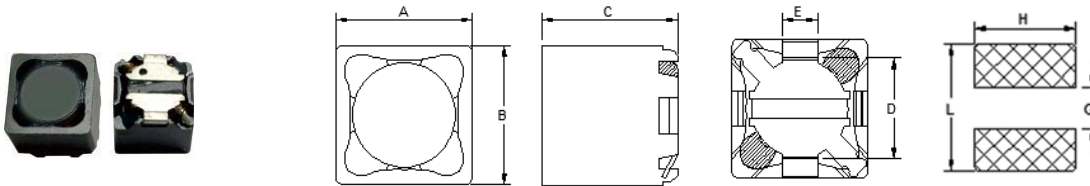
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH89	8.0 ± 0.3	8.0 ± 0.3	8.8 Max.	6.1 ± 0.2	2.3	8.5	5	2.7

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH89-1R0NC	1.2 ± 30%	100	0.007	13.00	10.00
SDRH89-3R3NC	3.3 ± 30%	100	0.011	9.00	8.40
SDRH89-4R7NC	4.7 ± 30%	100	0.015	7.50	7.00
SDRH89-6R8NC	6.8 ± 30%	100	0.022	6.50	6.00
SDRH89-100MC	10.0 ± 30%	100	0.031	6.00	5.20
SDRH89-120MC	12 ± 20%	100	0.033	5.50	4.80
SDRH89-150MC	15 ± 20%	100	0.037	5.00	4.50
SDRH89-180MC	18 ± 20%	100	0.041	4.50	4.20
SDRH89-220MC	22 ± 20%	100	0.049	4.00	3.70
SDRH89-270MC	27 ± 20%	100	0.058	3.70	3.40
SDRH89-330MC	33 ± 20%	100	0.075	3.40	3.10
SDRH89-390MC	39 ± 20%	100	0.089	3.00	2.80
SDRH89-470MC	47 ± 20%	100	0.102	2.70	2.50
SDRH89-560MC	56 ± 20%	100	0.127	2.50	2.30
SDRH89-680MC	68 ± 20%	100	0.142	2.25	2.20
SDRH89-820MC	82 ± 20%	100	0.168	2.10	2.00
SDRH89-101MC	100 ± 20%	100	0.195	2.00	1.85
SDRH89-121MC	120 ± 20%	100	0.265	1.80	1.68
SDRH89-151MC	150 ± 20%	100	0.302	1.60	1.50
SDRH89-181MC	180 ± 20%	100	0.355	1.55	1.40
SDRH89-221MC	220 ± 20%	100	0.397	1.50	1.30
SDRH89-271MC	270 ± 20%	100	0.474	1.35	1.20
SDRH89-331MC	330 ± 20%	100	0.550	1.20	1.10
SDRH89-391MC	390 ± 20%	100	0.698	1.10	1.00
SDRH89-471MC	470 ± 20%	100	0.822	0.90	0.85
SDRH89-561MC	560 ± 20%	100	0.995	0.80	0.75
SDRH89-681MC	680 ± 20%	100	1.220	0.73	0.70
SDRH89-821MC	820 ± 20%	100	1.510	0.68	0.65
SDRH89-102MC	1,000 ± 20%	100	1.790	0.62	0.60

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

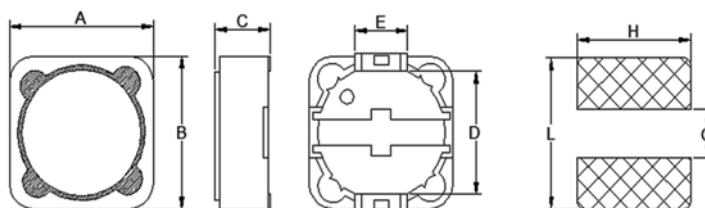
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH124	12.0 ± 0.3	12.0 ± 0.3	4.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH123-6R8MC	6.8 ± 20%	100	0.035	5.00
SDRH123-8R2MC	8.2 ± 20%	100	0.046	4.50
SDRH123-100MC	10 ± 20%	100	0.050	4.00
SDRH123-120MC	12 ± 20%	100	0.054	3.85
SDRH123-150MC	15 ± 20%	100	0.061	3.60
SDRH123-180MC	18 ± 20%	100	0.090	3.40
SDRH123-220MC	22 ± 20%	100	0.100	3.20
SDRH123-270MC	27 ± 20%	100	0.114	3.00
SDRH123-330MC	33 ± 20%	100	0.156	2.50
SDRH123-390MC	39 ± 20%	100	0.188	2.35
SDRH123-470MC	47 ± 20%	100	0.220	2.30
SDRH123-560MC	56 ± 20%	100	0.260	2.20
SDRH123-680MC	68 ± 20%	100	0.280	1.80
SDRH123-820MC	82 ± 20%	100	0.380	1.70
SDRH123-101MC	100 ± 20%	100	0.440	1.66
SDRH123-121MC	120 ± 20%	100	0.480	1.50
SDRH123-151MC	150 ± 20%	100	0.660	1.40
SDRH123-181MC	180 ± 20%	100	0.860	1.20
SDRH123-221MC	220 ± 20%	100	1.000	1.00
SDRH123-271MC	270 ± 20%	100	1.100	0.85
SDRH123-331MC	330 ± 20%	100	1.400	0.70
SDRH123-391MC	390 ± 20%	100	1.600	0.60
SDRH123-471MC	470 ± 20%	100	1.800	0.50

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

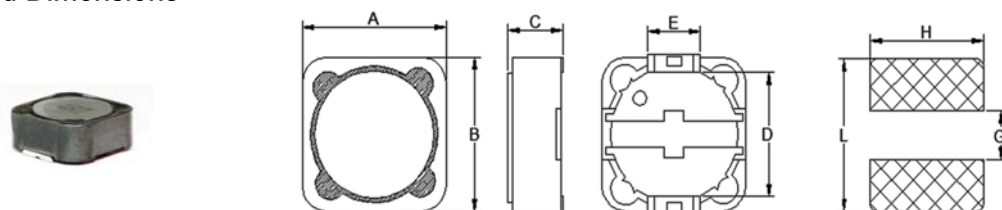
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH124	12.0 ± 0.3	12.0 ± 0.3	4.5 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH124-3R9MC	3.9 ± 20%	100	0.015	6.50
SDRH124-4R7MC	4.7 ± 20%	100	0.018	5.70
SDRH124-6R8MC	6.8 ± 20%	100	0.023	4.90
SDRH124-8R2MC	8.2 ± 20%	100	0.026	4.60
SDRH124-100MC	10 ± 20%	100	0.028	4.50
SDRH124-120MC	12 ± 20%	100	0.038	4.00
SDRH124-150MC	15 ± 20%	100	0.050	3.20
SDRH124-180MC	18 ± 20%	100	0.057	3.10
SDRH124-220MC	22 ± 20%	100	0.066	2.90
SDRH124-270MC	27 ± 20%	100	0.080	2.80
SDRH124-330MC	33 ± 20%	100	0.097	2.70
SDRH124-390MC	39 ± 20%	100	0.132	2.10
SDRH124-470MC	47 ± 20%	100	0.150	1.90
SDRH124-560MC	56 ± 20%	100	0.190	1.80
SDRH124-680MC	68 ± 20%	100	0.220	1.50
SDRH124-820MC	82 ± 20%	100	0.260	1.30
SDRH124-101MC	100 ± 20%	100	0.308	1.20
SDRH124-121MC	120 ± 20%	100	0.380	1.10
SDRH124-151MC	150 ± 20%	100	0.530	0.95
SDRH124-181MC	180 ± 20%	100	0.620	0.85
SDRH124-221MC	220 ± 20%	100	0.700	0.80
SDRH124-271MC	270 ± 20%	100	0.870	0.60
SDRH124-331MC	330 ± 20%	100	0.990	0.50

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

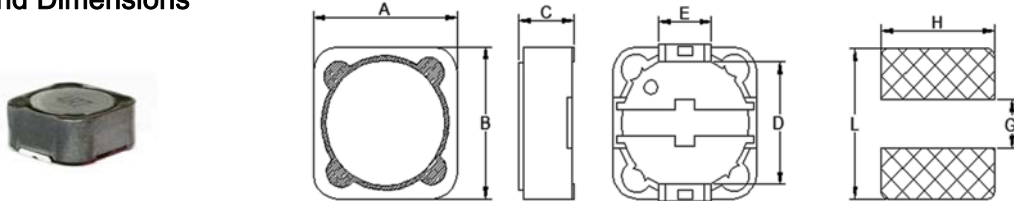
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH125	12.0 ± 0.3	12.0 ± 0.3	6.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH125-1R3NC	1.3 ± 30%	100	0.012	8.00
SDRH125-2R1NC	2.1 ± 30%	100	0.014	7.00
SDRH125-3R1NC	3.1 ± 30%	100	0.017	6.00
SDRH125-4R4NC	4.4 ± 30%	100	0.020	5.00
SDRH125-5R8NC	5.8 ± 30%	100	0.021	4.40
SDRH125-7R5NC	7.5 ± 30%	100	0.024	4.20
SDRH125-100MC	10 ± 20%	100	0.025	4.00
SDRH125-120MC	12 ± 20%	1	0.027	3.50
SDRH125-150MC	15 ± 20%	1	0.030	3.30
SDRH125-180MC	18 ± 20%	1	0.034	3.00
SDRH125-220MC	22 ± 20%	1	0.036	2.80
SDRH125-270MC	27 ± 20%	1	0.050	2.30
SDRH125-330MC	33 ± 20%	1	0.057	2.10
SDRH125-390MC	39 ± 20%	1	0.068	2.00
SDRH125-470MC	47 ± 20%	1	0.075	1.80
SDRH125-560MC	56 ± 20%	1	0.110	1.70
SDRH125-680MC	68 ± 20%	1	0.120	1.50
SDRH125-820MC	82 ± 20%	1	0.140	1.40
SDRH125-101MC	100 ± 20%	1	0.160	1.30
SDRH125-121MC	120 ± 20%	1	0.170	1.10
SDRH125-151MC	150 ± 20%	1	0.230	1.00
SDRH125-181MC	180 ± 20%	1	0.290	0.90
SDRH125-221MC	220 ± 20%	1	0.400	0.80
SDRH125-271MC	270 ± 20%	1	0.460	0.75
SDRH125-331MC	330 ± 20%	1	0.510	0.68
SDRH125-391MC	390 ± 20%	1	0.690	0.65
SDRH125-471MC	470 ± 20%	1	0.770	0.58
SDRH125-561MC	560 ± 20%	1	0.860	0.54
SDRH125-681MC	680 ± 20%	1	1.200	0.48
SDRH125-821MC	820 ± 20%	1	1.340	0.43
SDRH125-102MC	1,000 ± 20%	1	1.530	0.40

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

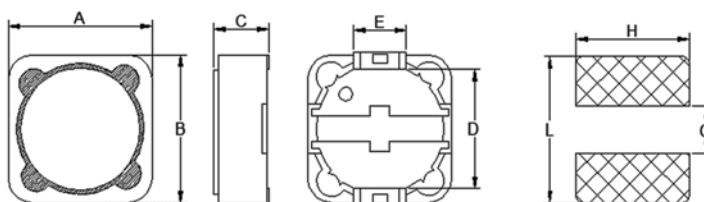
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH125LD	12.0 ± 0.3	12.0 ± 0.3	6.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH125LD-7R5NC	7.5 ± 30%	100	0.019	7.00	6.40
SDRH125LD-100NC	10 ± 30%	100	0.029	6.00	5.40
SDRH125LD-120MC	12 ± 20%	1	0.032	5.40	5.20
SDRH125LD-150MC	15 ± 20%	1	0.035	5.00	5.00
SDRH125LD-180MC	18 ± 20%	1	0.041	4.50	4.60
SDRH125LD-220MC	22 ± 20%	1	0.044	4.20	4.50
SDRH125LD-270MC	27 ± 20%	1	0.052	3.70	4.20
SDRH125LD-330MC	33 ± 20%	1	0.065	3.25	3.80
SDRH125LD-390MC	39 ± 20%	1	0.075	3.00	3.40
SDRH125LD-470MC	47 ± 20%	1	0.095	2.90	2.70
SDRH125LD-560MC	56 ± 20%	1	0.125	2.50	2.60
SDRH125LD-680MC	68 ± 20%	1	0.140	2.25	2.40
SDRH125LD-820MC	82 ± 20%	1	0.157	2.10	2.30
SDRH125LD-101MC	100 ± 20%	1	0.187	2.00	2.15
SDRH125LD-121MC	120 ± 20%	1	0.228	1.70	1.90
SDRH125LD-151MC	150 ± 20%	1	0.280	1.60	1.75
SDRH125LD-181MC	180 ± 20%	1	0.335	1.45	1.48
SDRH125LD-221MC	220 ± 20%	1	0.395	1.35	1.40
SDRH125LD-271MC	270 ± 20%	1	0.520	1.20	1.25
SDRH125LD-331MC	330 ± 20%	1	0.710	1.10	1.05
SDRH125LD-391MC	390 ± 20%	1	0.800	0.98	1.00
SDRH125LD-471MC	470 ± 20%	1	0.920	0.90	0.95
SDRH125LD-561MC	560 ± 20%	1	1.200	0.83	0.85
SDRH125LD-681MC	680 ± 20%	1	1.350	0.71	0.78
SDRH125LD-821MC	820 ± 20%	1	1.400	0.62	0.72
SDRH125LD-102MC	1,000 ± 20%	1	1.950	0.58	0.60

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

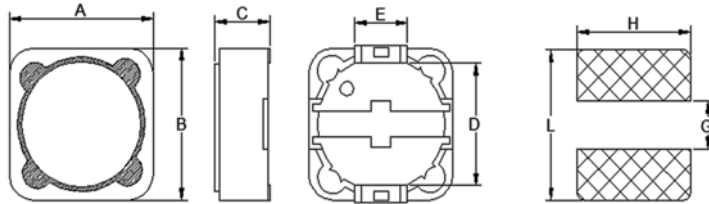
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH127	12.0 ± 0.3	12.0 ± 0.3	8.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRH127-1R2NC	1.2 ± 30%	100	0.007	9.80
SDRH127-2R4NC	2.4 ± 30%	100	0.012	8.00
SDRH127-3R5NC	3.5 ± 30%	100	0.014	7.50
SDRH127-4R7NC	4.7 ± 30%	100	0.016	6.80
SDRH127-6R1NC	6.1 ± 30%	100	0.018	6.60
SDRH127-7R6NC	7.6 ± 30%	100	0.020	5.90
SDRH127-100MC	10 ± 20%	1	0.022	5.40
SDRH127-120MC	12 ± 20%	1	0.024	4.90
SDRH127-150MC	15 ± 20%	1	0.027	4.50
SDRH127-180MC	18 ± 20%	1	0.039	3.90
SDRH127-220MC	22 ± 20%	1	0.043	3.60
SDRH127-270MC	27 ± 20%	1	0.046	3.40
SDRH127-330MC	33 ± 20%	1	0.065	3.00
SDRH127-390MC	39 ± 20%	1	0.073	2.75
SDRH127-470MC	47 ± 20%	1	0.100	2.50
SDRH127-560MC	56 ± 20%	1	0.110	2.35
SDRH127-680MC	68 ± 20%	1	0.140	2.10
SDRH127-820MC	82 ± 20%	1	0.160	1.95
SDRH127-101MC	100 ± 20%	1	0.220	1.70
SDRH127-121MC	120 ± 20%	1	0.250	1.60
SDRH127-151MC	150 ± 20%	1	0.280	1.42
SDRH127-181MC	180 ± 20%	1	0.350	1.30
SDRH127-221MC	220 ± 20%	1	0.390	1.16
SDRH127-271MC	270 ± 20%	1	0.560	1.06
SDRH127-331MC	330 ± 20%	1	0.640	0.95
SDRH127-391MC	390 ± 20%	1	0.700	0.88
SDRH127-471MC	470 ± 20%	1	0.980	0.79
SDRH127-561MC	560 ± 20%	1	1.070	0.73
SDRH127-681MC	680 ± 20%	1	1.460	0.67
SDRH127-821MC	820 ± 20%	1	1.640	0.60
SDRH127-102MC	1,000 ± 20%	1	1.820	0.55

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

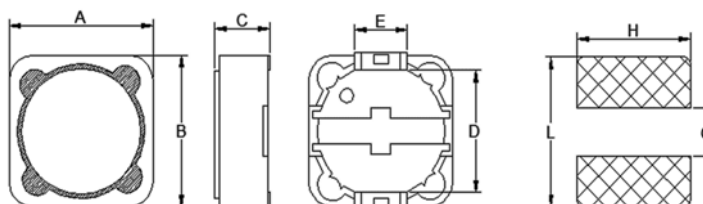
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH127LD	12.0 ± 0.3	12.0 ± 0.3	8.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH127LD-1R0NC	1.0 ± 30%	100	0.007	27.20	15.80
SDRH127LD-2R4NC	2.4 ± 30%	100	0.011	17.70	11.50
SDRH127LD-3R5NC	3.5 ± 30%	100	0.012	14.70	10.30
SDRH127LD-4R6NC	4.6 ± 30%	100	0.014	13.00	10.10
SDRH127LD-5R8NC	5.8 ± 30%	100	0.016	11.20	9.60
SDRH127LD-7R4NC	7.4 ± 30%	100	0.018	10.50	8.70
SDRH127LD-100MC	10 ± 20%	1	0.020	8.40	7.80
SDRH127LD-120MC	12 ± 20%	1	0.021	7.50	7.40
SDRH127LD-150MC	15 ± 20%	1	0.026	6.80	7.10
SDRH127LD-180MC	18 ± 20%	1	0.028	6.70	6.60
SDRH127LD-220MC	22 ± 20%	1	0.036	5.80	6.30
SDRH127LD-270MC	27 ± 20%	1	0.042	5.40	5.70
SDRH127LD-330MC	33 ± 20%	1	0.053	4.80	5.10
SDRH127LD-390MC	39 ± 20%	1	0.061	4.40	4.50
SDRH127LD-470MC	47 ± 20%	1	0.078	4.10	4.10
SDRH127LD-560MC	56 ± 20%	1	0.090	3.60	3.60
SDRH127LD-680MC	68 ± 20%	1	0.120	3.40	3.20
SDRH127LD-820MC	82 ± 20%	1	0.119	2.85	2.95
SDRH127LD-101MC	100 ± 20%	1	0.151	2.70	2.60
SDRH127LD-121MC	120 ± 20%	1	0.169	2.60	2.40
SDRH127LD-151MC	150 ± 20%	1	0.227	2.15	2.15
SDRH127LD-181MC	180 ± 20%	1	0.299	2.05	1.90
SDRH127LD-221MC	220 ± 20%	1	0.338	1.90	1.75
SDRH127LD-271MC	270 ± 20%	1	0.419	1.60	1.60
SDRH127LD-331MC	330 ± 20%	1	0.471	1.45	1.50
SDRH127LD-391MC	390 ± 20%	1	0.572	1.40	1.40
SDRH127LD-471MC	470 ± 20%	1	0.741	1.30	1.25
SDRH127LD-561MC	560 ± 20%	1	0.852	1.12	1.10
SDRH127LD-681MC	680 ± 20%	1	1.130	1.10	1.03
SDRH127LD-821MC	820 ± 20%	1	1.240	0.92	0.92
SDRH127LD-102MC	1,000 ± 20%	1	1.500	0.86	0.85

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

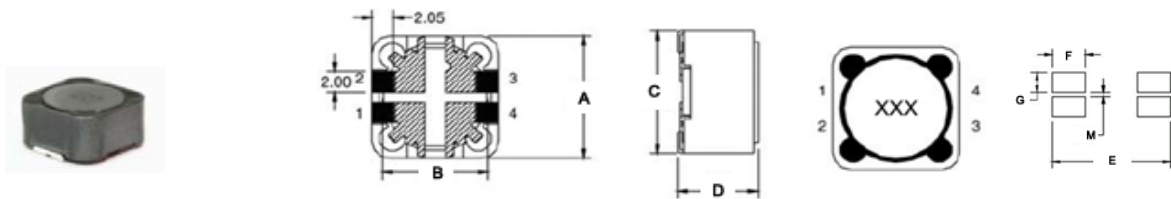
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

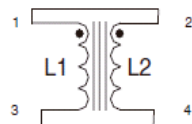
- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions

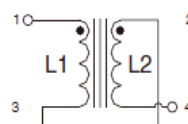


■ELECTRICAL SCHEMATIC

1. Parallel Mode



2. Series Mode



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	M
SDRH127SMN	12.5 Max	10	12.5 Max.	8.0 Max	13.8	3.85	2.5	0.5

Electrical Characteristics

Part Number	Inductance (μ H)	1. D.C.R (Ω) max. (at 20°C)	1. Rated Current (A)	2. D.C.R (Ω) max. (at 20°C)	2. Rated Current (A)
SDRH127SMN-R47MC	0.47 $\pm$ 20%	0.002	17.90	0.008	8.94
SDRH127SMN-1R0MC	1.0 $\pm$ 20%	0.003	15.50	0.010	7.74
SDRH127SMN-1R5MC	1.5 $\pm$ 20%	0.003	13.50	0.014	6.77
SDRH127SMN-2R2MC	2.2 $\pm$ 20%	0.004	12.50	0.016	6.23
SDRH127SMN-3R3MC	3.3 $\pm$ 20%	0.006	10.40	0.023	5.23
SDRH127SMN-4R7MC	4.7 $\pm$ 20%	0.009	8.25	0.037	4.13
SDRH127SMN-6R8MC	6.8 $\pm$ 20%	0.012	7.34	0.047	3.67
SDRH127SMN-8R2MC	8.2 $\pm$ 20%	0.016	6.32	0.063	3.16
SDRH127SMN-100MC	10 $\pm$ 20%	0.022	6.04	0.089	3.02
SDRH127SMN-150MC	15 $\pm$ 20%	0.025	5.03	0.099	2.51
SDRH127SMN-220MC	22 $\pm$ 20%	0.039	4.00	0.157	2.00
SDRH127SMN-330MC	33 $\pm$ 20%	0.066	3.23	0.258	1.61
SDRH127SMN-470MC	47 $\pm$ 20%	0.072	2.95	0.288	1.47
SDRH127SMN-680MC	68 $\pm$ 20%	0.105	2.44	0.421	1.22
SDRH127SMN-820MC	82 $\pm$ 20%	0.143	2.09	0.573	1.04
SDRH127SMN-101MC	100 $\pm$ 20%	0.163	1.96	0.653	0.98
SDRH127SMN-151MC	150 $\pm$ 20%	0.247	1.59	0.989	0.80
SDRH127SMN-221MC	220 $\pm$ 20%	0.376	1.29	1.500	0.65
SDRH127SMN-331MC	330 $\pm$ 20%	0.574	1.04	2.300	0.52
SDRH127SMN-471MC	470 $\pm$ 20%	0.861	0.85	3.440	0.43
SDRH127SMN-681MC	680 $\pm$ 20%	1.080	0.76	4.320	0.38
SDRH127SMN-821MC	820 $\pm$ 20%	1.470	0.65	5.880	0.33
SDRH127SMN-102MC	1,000 $\pm$ 20%	1.660	0.61	6.640	0.31

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

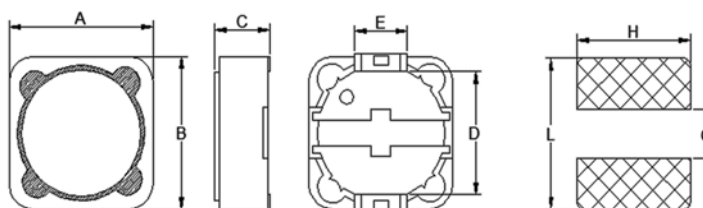
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions



Packing Q'ty : 350 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH129	12.0 ± 0.3	12.0 ± 0.3	10.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH129-1R0NC	1.0 ± 30%	100	0.006	19.90	11.60
SDRH129-1R8NC	1.8 ± 30%	100	0.007	13.40	11.00
SDRH129-2R5NC	2.5 ± 30%	100	0.008	12.16	10.30
SDRH129-3R5NC	3.5 ± 30%	100	0.010	12.00	8.70
SDRH129-4R7NC	4.7 ± 30%	100	0.011	10.08	8.40
SDRH129-6R8NC	6.8 ± 30%	100	0.013	8.56	7.10
SDRH129-7R5NC	7.5 ± 30%	100	0.014	8.48	6.80
SDRH129-100MC	10 ± 20%	1	0.018	7.12	6.95
SDRH129-120MC	12 ± 20%	1	0.019	7.04	6.20
SDRH129-150MC	15 ± 20%	1	0.026	5.84	5.22
SDRH129-180MC	18 ± 20%	1	0.028	5.48	5.08
SDRH129-220MC	22 ± 20%	1	0.029	5.12	4.95
SDRH129-270MC	27 ± 20%	1	0.042	4.68	4.27
SDRH129-330MC	33 ± 20%	1	0.053	4.25	3.60
SDRH129-390MC	39 ± 20%	1	0.058	3.92	3.52
SDRH129-470MC	47 ± 20%	1	0.063	3.60	3.45
SDRH129-560MC	56 ± 20%	1	0.068	2.85	2.95
SDRH129-680MC	68 ± 20%	1	0.093	2.76	2.85
SDRH129-820MC	82 ± 20%	1	0.099	2.62	2.60
SDRH129-101MC	100 ± 20%	1	0.126	2.31	2.45
SDRH129-121MC	120 ± 20%	1	0.154	2.05	2.20
SDRH129-151MC	150 ± 20%	1	0.174	1.80	1.90
SDRH129-181MC	180 ± 20%	1	0.191	1.66	1.86

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH129-221MC	220 ± 20%	1	0.246	1.64	1.72
SDRH129-271MC	270 ± 20%	1	0.314	1.46	1.50
SDRH129-331MC	330 ± 20%	1	0.386	1.28	1.28
SDRH129-391MC	390 ± 20%	1	0.428	1.17	1.26
SDRH129-471MC	470 ± 20%	1	0.471	1.06	1.25
SDRH129-561MC	560 ± 20%	1	0.650	1.01	0.98
SDRH129-681MC	680 ± 20%	1	0.730	0.83	0.96
SDRH129-821MC	820 ± 20%	1	0.824	0.81	0.94
SDRH129-102MC	1,000 ± 20%	1	1.220	0.70	0.76
SDRH129-122MC	1,200 ± 20%	1	1.330	0.64	0.69
SDRH129-152MC	1,500 ± 20%	1	1.990	0.56	0.58
SDRH129-182MC	1,800 ± 20%	1	2.180	0.48	0.54
SDRH129-222MC	2,200 ± 20%	1	2.580	0.43	0.52

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

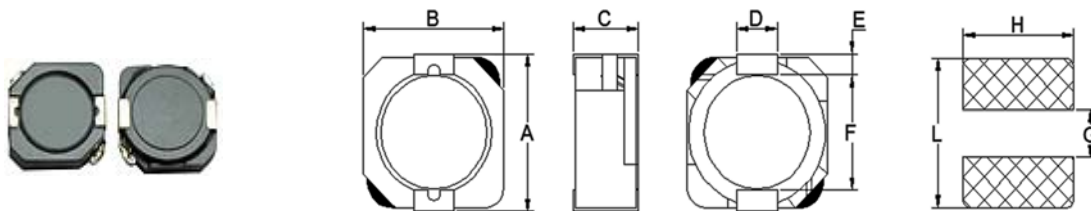
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH103R	10.2 ± 0.3	10.0 ± 0.3	2.8 ± 0.3	3.0	1.2	10.7	7.3	3.6

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRH103R-0R8NC	0.8 ± 30%	100	0.006	11.20	8.30
SDRH103R-1R5NC	1.5 ± 30%	100	0.011	8.00	5.80
SDRH103R-2R2NC	2.2 ± 30%	100	0.017	6.70	5.10
SDRH103R-3R3NC	3.3 ± 30%	100	0.021	5.56	4.70
SDRH103R-4R7NC	4.7 ± 30%	100	0.030	4.65	4.00
SDRH103R-6R8NC	6.8 ± 30%	100	0.035	3.84	3.60
SDRH103R-8R2NC	8.2 ± 30%	100	0.050	3.54	3.00
SDRH103R-100NC	10 ± 30%	100	0.059	3.18	2.80
SDRH103R-150NC	15 ± 30%	100	0.091	2.60	2.05
SDRH103R-220NC	22 ± 30%	100	0.143	2.16	1.60
SDRH103R-330NC	33 ± 30%	100	0.202	1.74	1.35
SDRH103R-470NC	47 ± 30%	100	0.299	1.43	1.20
SDRH103R-560NC	56 ± 30%	100	0.325	1.36	1.15
SDRH103R-680NC	68 ± 30%	100	0.429	1.22	0.95
SDRH103R-820NC	82 ± 30%	100	0.494	1.14	0.80
SDRH103R-101MC	100 ± 20%	100	0.683	1.02	0.70
SDRH103R-121MC	120 ± 20%	100	0.754	0.89	0.65
SDRH103R-151MC	150 ± 20%	100	0.871	0.84	0.51

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

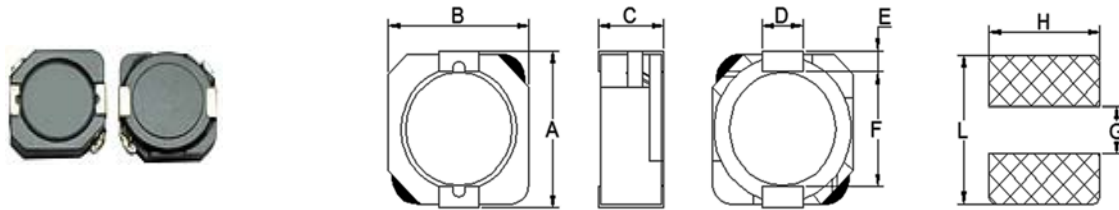
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH104R	10.2 ± 0.3	10.0 ± 0.3	3.8 ± 0.3	3.0	1.2	10.7	7.3	3.6

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRH104R-1R5NC	1.5 ± 30%	100	0.008	10.00	6.50
SDRH104R-2R5NC	2.5 ± 30%	100	0.011	7.50	6.10
SDRH104R-3R3NC	3.3 ± 30%	100	0.013	6.00	5.50
SDRH104R-5R2NC	5.2 ± 30%	100	0.022	5.50	5.40
SDRH104R-7R0NC	7.0 ± 30%	100	0.027	4.80	4.50
SDRH104R-100NC	10 ± 30%	100	0.035	4.40	3.80
SDRH104R-120NC	12 ± 30%	100	0.046	3.70	3.40
SDRH104R-150NC	15 ± 30%	100	0.050	3.60	3.10
SDRH104R-180NC	18 ± 30%	100	0.069	3.10	2.60
SDRH104R-220NC	22 ± 30%	100	0.073	2.90	2.50
SDRH104R-270NC	27 ± 30%	100	0.088	2.60	2.30
SDRH104R-330NC	33 ± 30%	100	0.093	2.30	2.20
SDRH104R-390NC	39 ± 30%	100	0.127	2.20	2.00
SDRH104R-470NC	47 ± 30%	100	0.128	2.10	1.90
SDRH104R-560NC	56 ± 30%	100	0.188	1.65	1.50
SDRH104R-680NC	68 ± 30%	100	0.213	1.50	1.42
SDRH104R-820NC	82 ± 30%	100	0.283	1.45	1.30
SDRH104R-101MC	100 ± 20%	100	0.304	1.35	1.25
SDRH104R-121MC	120 ± 20%	100	0.375	1.20	1.08
SDRH104R-151MC	150 ± 20%	100	0.506	1.15	0.85
SDRH104R-181MC	180 ± 20%	100	0.568	1.00	0.75
SDRH104R-221MC	220 ± 20%	100	0.756	0.92	0.70
SDRH104R-271MC	270 ± 20%	100	0.853	0.84	0.55
SDRH104R-331MC	330 ± 20%	100	1.090	0.70	0.52

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

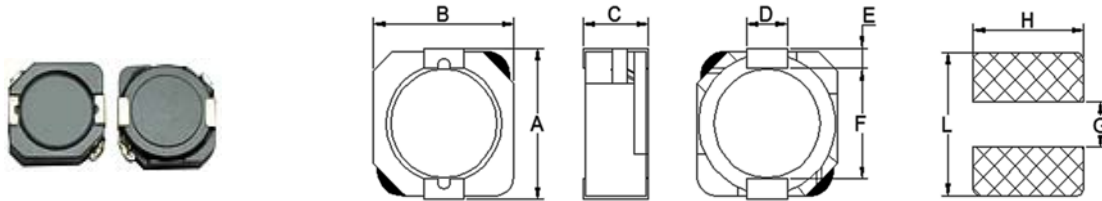
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

- Ideally used in Notebook PC, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH105R	10.2 ± 0.3	10.0 ± 0.3	4.8 ± 0.3	3.0	1.2	10.7	7.3	3.6

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRH105R-0R8NC	0.8 ± 30%	100	0.004	13.50	9.50
SDRH105R-1R5NC	1.5 ± 30%	100	0.006	10.50	8.30
SDRH105R-2R2NC	2.2 ± 30%	100	0.007	9.25	7.50
SDRH105R-3R3NC	3.3 ± 30%	100	0.010	7.80	6.50
SDRH105R-4R7NC	4.7 ± 30%	100	0.012	6.40	6.10
SDRH105R-6R8NC	6.8 ± 30%	100	0.018	5.40	5.40
SDRH105R-8R2NC	8.2 ± 30%	100	0.020	4.85	5.00
SDRH105R-100NC	10 ± 30%	100	0.026	4.45	4.50
SDRH105R-120NC	12 ± 30%	100	0.033	4.00	3.80
SDRH105R-150NC	15 ± 30%	100	0.041	3.60	3.40
SDRH105R-180NC	18 ± 30%	100	0.046	3.20	3.10
SDRH105R-220NC	22 ± 30%	100	0.061	2.95	2.90
SDRH105R-270NC	27 ± 30%	100	0.069	2.70	2.60
SDRH105R-330NC	33 ± 30%	100	0.084	2.40	2.50
SDRH105R-390NC	39 ± 30%	100	0.106	2.30	2.25
SDRH105R-470NC	47 ± 30%	100	0.130	2.00	2.00
SDRH105R-560NC	56 ± 30%	100	0.149	1.90	1.90
SDRH105R-680NC	68 ± 30%	100	0.201	1.65	1.60
SDRH105R-820NC	82 ± 30%	100	0.227	1.50	1.45
SDRH105R-101MC	100 ± 20%	100	0.253	1.35	1.35
SDRH105R-121MC	120 ± 20%	100	0.303	1.28	1.18
SDRH105R-151MC	150 ± 20%	100	0.370	1.12	1.10
SDRH105R-181MC	180 ± 20%	100	0.419	1.04	1.00
SDRH105R-221MC	220 ± 20%	100	0.500	0.94	0.94
SDRH105R-271MC	270 ± 20%	100	0.672	0.84	0.80
SDRH105R-331MC	330 ± 20%	100	0.812	0.75	0.73
SDRH105R-391MC	390 ± 20%	100	0.953	0.70	0.70
SDRH105R-471MC	470 ± 20%	100	1.289	0.60	0.54
SDRH105R-561MC	560 ± 20%	100	1.430	0.54	0.52
SDRH105R-681MC	680 ± 20%	100	1.599	0.52	0.51
SDRH105R-821MC	820 ± 20%	100	1.768	0.50	0.48
SDRH105R-102MC	1,000 ± 20%	100	1.989	0.48	0.42

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

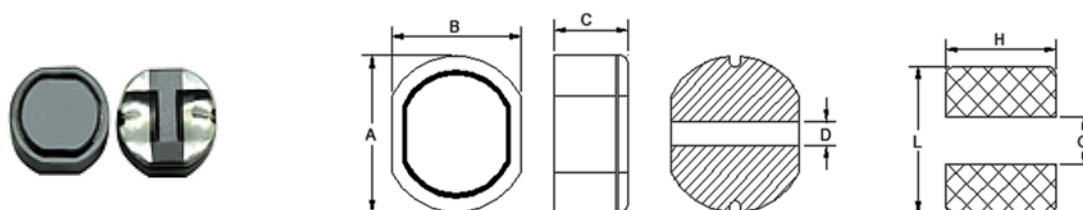
Features

- To be high saturation for surface mounting.
- Surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Excellent as VTR, OA equipment, LCD television sets, notebook PC, Portable communication equipment, DC/DC converters etc...

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	L	G	H	
SDR52B	5.8 ± 0.3	5.2 ± 0.3	2.8 Max.	1.5	6.7	1.3	5.5	

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SDR52B-1R0NC	$1.0 \pm 30\%$	100	0.050	1.70
SDR52B-1R8NC	$1.8 \pm 30\%$	100	0.060	1.20
SDR52B-2R2NC	$2.2 \pm 30\%$	100	0.070	1.10
SDR52B-3R3NC	$3.3 \pm 30\%$	100	0.080	0.90
SDR52B-5R6NC	$5.6 \pm 30\%$	100	0.100	0.75
SDR52B-6R8NC	$6.8 \pm 30\%$	100	0.110	0.70
SDR52B-8R2NC	$8.2 \pm 30\%$	100	0.130	0.60
SDR52B-100MC	$10 \pm 20\%$	100	0.150	0.54
SDR52B-150MC	$15 \pm 20\%$	100	0.200	0.46
SDR52B-270MC	$22 \pm 20\%$	100	0.280	0.42
SDR52B-330MC	$33 \pm 20\%$	100	0.450	0.35
SDR52B-390MC	$39 \pm 20\%$	100	0.550	0.32
SDR52B-470MC	$47 \pm 20\%$	100	0.600	0.28
SDR52B-560MC	$56 \pm 20\%$	100	0.760	0.25
SDR52B-680MC	$68 \pm 20\%$	100	0.920	0.23

NOTES:

Rated Current : DC current at which the inductance drops approximately 30% from its value without current.

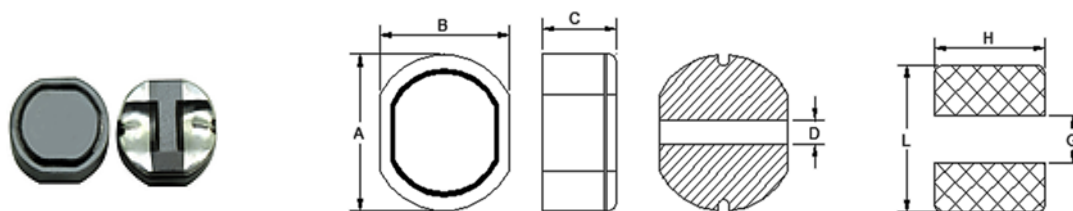
Features

- To be high saturation for surface mounting.
- Surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Excellent as VTR, OA equipment, LCD television sets, notebook PC, Portable communication equipment, DC/DC converters etc...

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	L	G	H	
SDR63B	6.2 ± 0.3	5.6 ± 0.3	3.5 max.	1.70	7.50	1.50	6.00	

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SDR63B-1R0NC	1.0 ± 30%	100	0.070	3.00
SDR63B-2R2NC	2.0 ± 30%	100	0.120	2.60
SDR63B-3R3NC	3.3 ± 30%	100	0.140	2.45
SDR63B-4R7NC	4.7 ± 30%	100	0.160	2.30
SDR63B-5R6NC	5.6 ± 30%	100	0.180	2.00
SDR63B-6R8NC	6.8 ± 30%	100	0.240	1.80
SDR63B-8R2NC	8.2 ± 30%	100	0.280	1.60
SDR63B-100MC	10.0 ± 20%	100	0.370	1.50
SDR63B-120MC	12.0 ± 20%	100	0.430	1.30
SDR63B-150MC	15.0 ± 20%	100	0.470	1.20
SDR63B-180MC	18.0 ± 20%	100	0.640	1.10
SDR63B-220MC	22.0 ± 20%	100	0.710	1.00
SDR63B-270MC	27.0 ± 20%	100	0.960	0.94
SDR63B-330MC	33.0 ± 20%	100	1.110	0.85
SDR63B-390MC	39.0 ± 20%	100	1.260	0.78
SDR63B-470MC	47.0 ± 20%	100	1.770	0.72
SDR63B-560MC	56.0 ± 20%	100	1.960	0.66
SDR63B-680MC	68.0 ± 20%	100	2.500	0.58
SDR63B-820MC	82.0 ± 20%	100	3.100	0.51
SDR63B-101MC	100.0 ± 20%	100	3.500	0.49
SDR63B-121MC	120.0 ± 20%	100	4.100	0.42
SDR63B-151MC	150.0 ± 20%	100	4.600	0.40
SDR63B-181MC	180.0 ± 20%	100	5.200	0.36
SDR63B-221MC	220.0 ± 20%	100	5.950	0.34
SDR63B-271MC	270.0 ± 20%	100	6.300	0.30
SDR63B-331MC	330.0 ± 20%	100	6.950	0.25
SDR63B-470MC	470.0 ± 20%	100	8.200	0.18

NOTES:

Rated Current : DC current at which the inductance drops approximately 30% from its value without current.

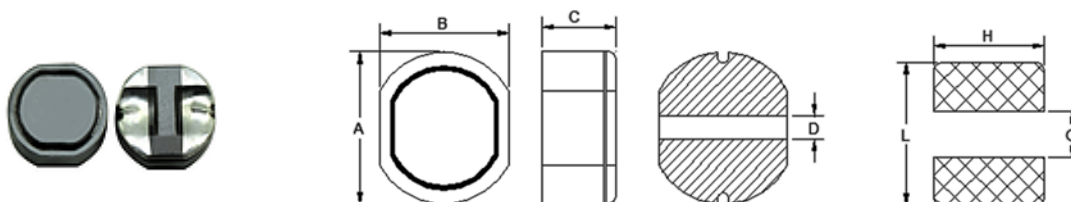
Features

- To be high saturation for surface mounting.
- Surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Excellent as VTR, OA equipment, LCD television sets, notebook PC, Portable communication equipment, DC/DC converters etc...

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDR74B	7.8 ± 0.3	7.0 ± 0.3	4.9 max.	1.90	9.00	1.50	7.50	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SDR74B-1R0NC	1.0 ± 30%	100	0.025	3.50
SDR74B-1R5NC	1.5 ± 30%	100	0.045	3.15
SDR74B-2R2NC	2.2 ± 30%	100	0.050	3.00
SDR74B-3R3NC	3.3 ± 30%	100	0.060	2.85
SDR74B-4R7NC	4.7 ± 30%	100	0.065	2.60
SDR74B-5R6NC	5.6 ± 30%	100	0.070	2.45
SDR74B-6R8NC	6.8 ± 30%	100	0.075	2.40
SDR74B-8R2NC	8.2 ± 30%	100	0.080	2.40
SDR74B-100MC	10 ± 20%	100	0.090	2.30
SDR74B-120MC	12 ± 20%	100	0.100	2.00
SDR74B-150MC	15 ± 20%	100	0.110	1.80
SDR74B-180MC	18 ± 20%	100	0.120	1.60
SDR74B-220MC	22 ± 20%	100	0.130	1.50
SDR74B-330MC	33 ± 20%	100	0.180	1.20
SDR74B-390MC	39 ± 20%	100	0.240	1.10
SDR74B-470MC	47 ± 20%	100	0.280	1.00
SDR74B-560MC	56 ± 20%	100	0.370	0.94
SDR74B-680MC	68 ± 20%	100	0.430	0.85
SDR74B-820MC	82 ± 20%	100	0.470	0.78
SDR74B-101KC	100 ± 10%	100	0.640	0.72
SDR74B-151KC	150 ± 10%	100	0.960	0.58
SDR74B-181KC	180 ± 10%	100	1.100	0.51
SDR74B-221KC	220 ± 10%	100	1.260	0.49
SDR74B-271KC	270 ± 10%	100	1.300	0.43
SDR74B-311KC	330 ± 10%	100	1.960	0.40
SDR74B-471KC	470 ± 10%	100	3.100	0.30

NOTES:

Rated Current : DC current at which the inductance drops approximately 30% from its value without current.

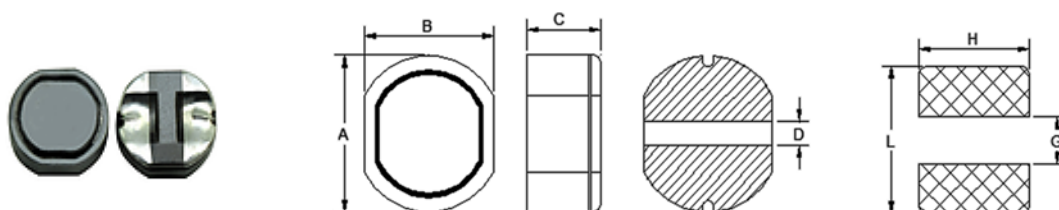
Features

- To be high saturation for surface mounting.
- Surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Excellent as VTR, OA equipment, LCD television sets, notebook PC, Portable communication equipment, DC/DC converters etc...

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	L	G	H	
SDR105	10.0 ± 0.4	9.0 ± 0.4	5.9 Max	2.50	11.20	2.00	9.50	

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SDR105-100MC	10 ± 20%	100	0.060	2.06
SDR105-120MC	12 ± 20%	100	0.070	1.94
SDR105-150MC	15 ± 20%	100	0.074	1.72
SDR105-180MC	18 ± 20%	100	0.080	1.58
SDR105-220MC	22 ± 20%	100	0.083	1.42
SDR105-270MC	27 ± 20%	100	0.100	1.32
SDR105-330MC	33 ± 20%	100	0.110	1.16
SDR105-390MC	39 ± 20%	100	0.140	1.00
SDR105-470MC	47 ± 20%	100	0.140	1.00
SDR105-560MC	56 ± 20%	100	0.190	0.93
SDR105-680MC	68 ± 20%	100	0.210	0.85
SDR105-820MC	82 ± 20%	100	0.280	0.79
SDR105-101MC	100 ± 20%	100	0.340	0.82
SDR105-121MC	120 ± 20%	100	0.510	0.55
SDR105-151MC	150 ± 20%	100	0.570	0.50
SDR105-181MC	180 ± 20%	100	0.780	0.47
SDR105-221MC	220 ± 20%	100	0.780	0.47
SDR105-271MC	270 ± 20%	100	0.870	0.41
SDR105-331MC	330 ± 20%	100	1.200	0.37
SDR105-391MC	390 ± 20%	100	1.340	0.35
SDR105-471MC	470 ± 20%	100	1.500	0.33
SDR105-561MC	560 ± 20%	100	1.700	0.25

NOTES:

Rated Current : DC current at which the inductance drops approximately 30% from its value without current.

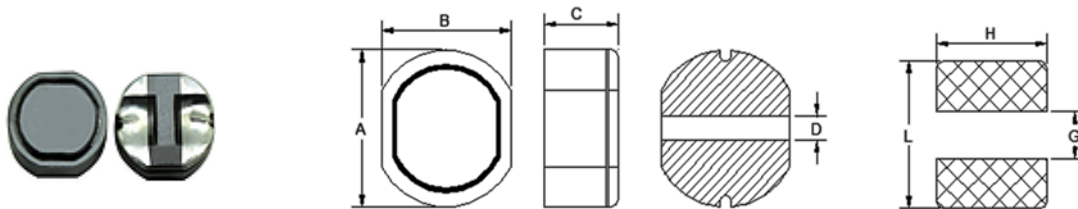
Features

- To be high saturation for surface mounting.
- Surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Excellent as VTR, OA equipment, LCD television sets, notebook PC, Portable communication equipment, DC/DC converters etc...

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	L	G	H	
SDR125	12.5 ± 0.5	11.5 ± 0.5	5.9 Max	3.00	13.50	2.50	12.00	

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SDR125-4R7NC	4.70 ± 30%	100	0.030	3.50
SDR125-8R2NC	8.20 ± 30%	100	0.040	2.95
SDR125-100MC	10 ± 20%	100	0.050	2.65
SDR125-120MC	12 ± 20%	100	0.050	2.50
SDR125-150MC	15 ± 20%	100	0.060	2.45
SDR125-180MC	18 ± 20%	100	0.060	2.40
SDR125-220MC	22 ± 20%	100	0.070	2.20
SDR125-270MC	27 ± 20%	100	0.080	2.00
SDR125-330MC	33 ± 20%	100	0.100	1.80
SDR125-390MC	39 ± 20%	100	0.110	1.65
SDR125-470MC	47 ± 20%	100	0.120	1.50
SDR125-560MC	56 ± 20%	100	0.150	1.38
SDR125-680MC	68 ± 20%	100	0.170	1.26
SDR125-820MC	82 ± 20%	100	0.200	1.14
SDR125-101MC	100 ± 20%	100	0.250	1.05
SDR125-121MC	120 ± 20%	100	0.280	0.95
SDR125-151MC	150 ± 20%	100	0.400	0.85
SDR125-181MC'	180 ± 20%	100	0.480	0.77
SDR125-221MC	220 ± 20%	100	0.520	0.70
SDR125-271MC	270 ± 20%	100	0.700	0.63
SDR125-331MC	330 ± 20%	100	0.800	0.57
SDR125-391MC	390 ± 20%	100	1.080	0.52
SDR125-471MC	470 ± 20%	100	1.200	0.48
SDR125-561MC	560 ± 20%	100	1.340	0.44
SDR125-681MC	680 ± 20%	100	1.780	0.40
SDR125-821MC	820 ± 20%	100	2.000	0.36

NOTES:

Rated Current : DC current at which the inductance drops approximately 30% from its value without current.

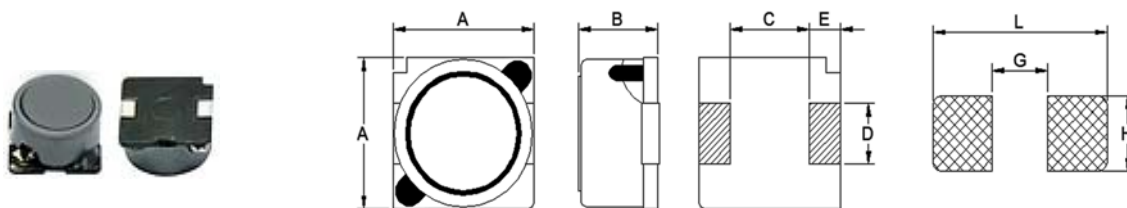
Features

- The SDRR series are characterized by low profile.
- Low DC resistance and high current handling capacities.
- Flat bottom surface ensure secure, reliable mounting.
- Provided in embossed carrier tape packing for use automatic mounting machines.

Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR6028	6.3 ± 0.3	3.1 max.	4.0 ± 0.2	2.0 ± 0.2	0.9	7.0	4.0	2.2

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) (A) Max.	Irms (A) Max.
SDRR6028-4R7NC	4.7 ± 30%	100	0.034	1.60	2.50
SDRR6028-6R8NC	6.8 ± 30%	100	0.043	1.50	2.20
SDRR6028-100MC	10 ± 20%	100	0.064	1.30	1.80
SDRR6028-150MC	15 ± 20%	100	0.090	1.00	1.40
SDRR6028-220MC	22 ± 20%	100	0.125	0.77	1.30
SDRR6028-330MC	33 ± 20%	100	0.178	0.69	1.10
SDRR6028-470MC	47 ± 20%	100	0.252	0.59	0.92
SDRR6028-680MC	68 ± 20%	100	0.348	0.50	0.78
SDRR6028-101MC	100 ± 20%	100	0.516	0.42	0.64
SDRR6028-151MC	150 ± 20%	100	0.780	0.34	0.50
SDRR6028-221MC	220 ± 20%	100	1.176	0.26	0.38

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

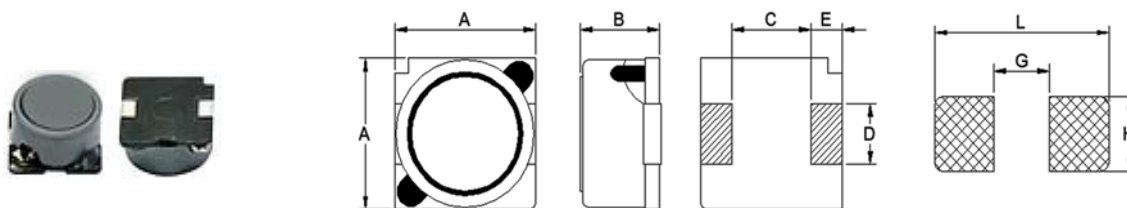
Features

- The SDRR series are characterized by low profile.
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- Provided in embossed carrier tape packing for use automatic mounting machines.

Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR6045	6.0 ± 0.3	4.8 max.	4.0 ± 0.2	2.0 ± 0.2	0.9	7.0	4.0	2.2

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
SDRR6045-1R0NC	1.0 ± 30%	100	0.023	2.70
SDRR6045-1R5NC	1.5 ± 30%	100	0.026	2.30
SDRR6045-2R2NC	2.2 ± 30%	100	0.028	1.90
SDRR6045-3R3NC	3.3 ± 30%	100	0.035	1.80
SDRR6045-4R7NC	4.7 ± 30%	100	0.040	1.40
SDRR6045-6R8NC	6.8 ± 30%	100	0.045	1.20
SDRR6045-100MC	10 ± 20%	100	0.060	1.00
SDRR6045-150MC	15 ± 20%	100	0.070	0.80
SDRR6045-220MC	22 ± 20%	100	0.110	0.65
SDRR6045-330MC	33 ± 20%	100	0.165	0.55
SDRR6045-470MC	47 ± 20%	100	0.210	0.45
SDRR6045-680MC	68 ± 20%	100	0.285	0.37
SDRR6045-101MC	100 ± 20%	100	0.420	0.30
SDRR6045-151MC	150 ± 20%	100	0.630	0.25
SDRR6045-181MC	180 ± 20%	100	0.720	0.22
SDRR6045-221MC	220 ± 20%	100	0.820	0.20
SDRR6045-271MC	270 ± 20%	100	1.100	0.18
SDRR6045-331MC	330 ± 20%	100	1.200	0.17
SDRR6045-391MC	390 ± 20%	100	1.700	0.16
SDRR6045-471MC	470 ± 20%	100	1.900	0.14
SDRR6045-561MC	560 ± 20%	100	2.150	0.13
SDRR6045-681MC	680 ± 20%	100	3.300	0.12
SDRR6045-821MC	820 ± 20%	100	3.650	0.11

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

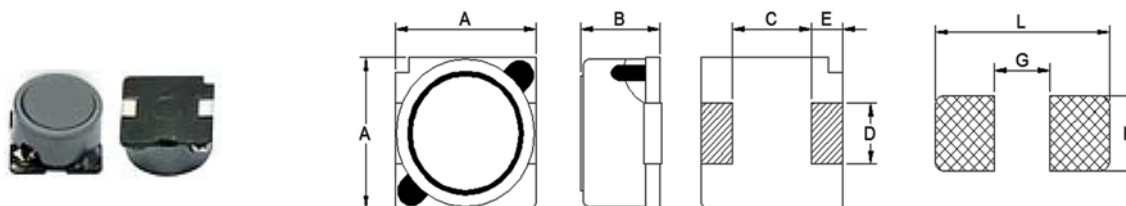
Features

- The SDRR series are characterized by low profile.
- Low DC resistance and high current handling capacities.
- Flat bottom surface ensure secure, reliable mounting.
- Provided in embossed carrier tape packing for use automatic mounting machines.

Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR7032	7.0 ± 0.3	3.5 max.	4.9 ± 0.2	2.0 ± 0.2	0.9	7.9	4.9	2.2

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Rated Current (A) Max.
SDRR7032-3R3NC	3.3 ± 30%	100	0.028	1.90
SDRR7032-4R7NC	4.7 ± 30%	100	0.044	1.70
SDRR7032-6R8NC	6.8 ± 30%	100	0.050	1.60
SDRR7032-100MC	10 ± 20%	100	0.064	1.40
SDRR7032-150MC	15 ± 20%	100	0.090	1.10
SDRR7032-220MC	22 ± 20%	100	0.132	0.96
SDRR7032-330MC	33 ± 20%	100	0.192	0.75
SDRR7032-470MC	47 ± 20%	100	0.288	0.67
SDRR7032-680MC	68 ± 20%	100	0.372	0.59
SDRR7032-101MC	100 ± 20%	100	0.540	0.45
SDRR7032-151MC	150 ± 20%	100	0.780	0.37
SDRR7032-221MC	220 ± 20%	100	1.260	0.29
SDRR7032-331MC	330 ± 20%	100	2.000	0.22
SDRR7032-471MC	470 ± 20%	100	2.460	0.20
SDRR7032-681MC	680 ± 20%	100	3.780	0.16
SDRR7032-102MC	1,000 ± 20%	100	5.730	0.13

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

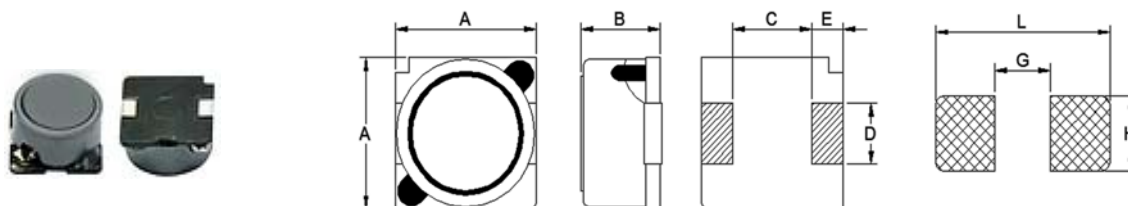
Features

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Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR7045	7.0 ± 0.3	4.8 max.	4.9 ± 0.2	2.0 ± 0.2	0.9	7.9	4.9	2.2

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR7045-3R3NC	3.3 ± 30%	100	0.024	2.50	2.30
SDRR7045-4R7NC	4.7 ± 30%	100	0.036	2.00	2.10
SDRR7045-6R8NC	6.8 ± 30%	100	0.047	1.70	1.74
SDRR7045-100MC	10 ± 20%	100	0.056	1.30	1.78
SDRR7045-150MC	15 ± 20%	100	0.063	1.10	1.53
SDRR7045-220MC	22 ± 20%	100	0.074	0.90	1.34
SDRR7045-330MC	33 ± 20%	100	0.116	0.82	1.09
SDRR7045-470MC	47 ± 20%	100	0.150	0.75	0.92
SDRR7045-680MC	68 ± 20%	100	0.210	0.60	0.77
SDRR7045-101MC	100 ± 20%	100	0.300	0.54	0.65
SDRR7045-151MC	150 ± 20%	100	0.408	0.40	0.55
SDRR7045-221MC	220 ± 20%	100	0.624	0.33	0.45
SDRR7045-331MC	330 ± 20%	100	0.888	0.25	0.37
SDRR7045-471MC	470 ± 20%	100	1.260	0.22	0.31
SDRR7045-681MC	680 ± 20%	100	1.776	0.20	0.27
SDRR7045-102MC	1,000 ± 20%	100	2.736	0.14	0.25

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

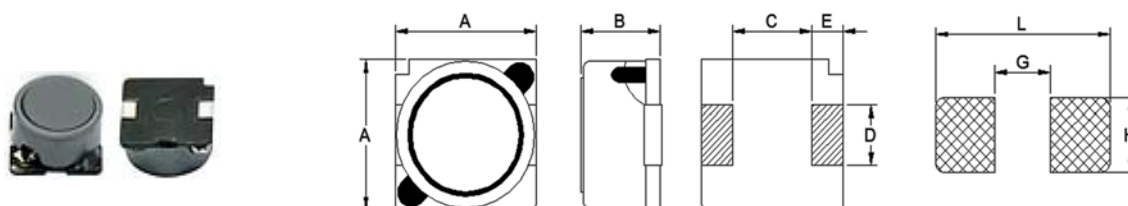
Features

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Applications

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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR7055	7.0 ± 0.3	5.8 max.	4.9 ± 0.2	2.0 ± 0.2	0.9	7.9	4.9	2.2

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR7055-1R5NC	1.5 ± 30%	100	0.023	6.20	4.00
SDRR7055-2R2NC	2.2 ± 30%	100	0.029	5.30	3.50
SDRR7055-3R3NC	3.3 ± 30%	100	0.032	4.30	3.30
SDRR7055-3R9NC	3.9 ± 30%	100	0.034	4.00	3.20
SDRR7055-4R7NC	4.7 ± 30%	100	0.037	3.60	3.10
SDRR7055-6R8NC	6.8 ± 30%	100	0.045	3.00	2.80
SDRR7055-100MC	10 ± 20%	100	0.051	2.60	2.50
SDRR7055-150MC	15 ± 20%	100	0.067	2.10	2.20
SDRR7055-180MC	18 ± 20%	100	0.074	1.90	2.10
SDRR7055-220MC	22 ± 20%	100	0.084	1.70	2.00
SDRR7055-330MC	33 ± 20%	100	0.114	1.40	1.70
SDRR7055-470MC	47 ± 20%	100	0.169	1.20	1.40
SDRR7055-680MC	68 ± 20%	100	0.260	0.90	1.10
SDRR7055-101MC	100 ± 20%	100	0.381	0.80	0.90

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

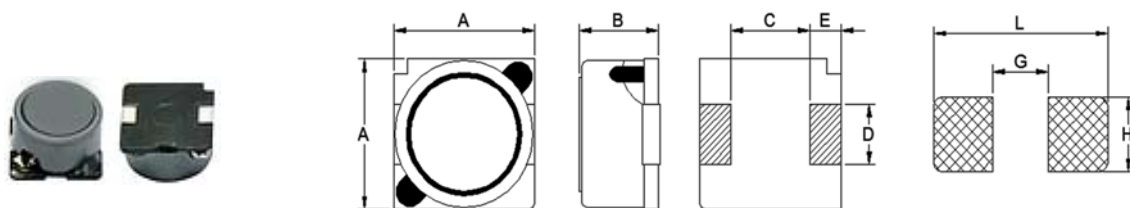
Features

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Applications

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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR10145	10.1 ± 0.3	4.8 max.	6.0 ± 0.2	3.0 ± 0.2	2.0	10.6	5.6	3.2

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR10145-3R3NC	3.3 ± 30%	1 KHz	0.020	4.90	3.70
SDRR10145-5R6NC	5.6 ± 30%	1 KHz	0.027	3.80	3.20
SDRR10145-100MC	10 ± 20%	1 KHz	0.044	3.00	2.50
SDRR10145-150MC	15 ± 20%	1 KHz	0.057	2.40	2.20
SDRR10145-220MC	22 ± 20%	1 KHz	0.071	2.10	1.90
SDRR10145-330MC	33 ± 20%	1 KHz	0.099	1.60	1.70
SDRR10145-470MC	47 ± 20%	1 KHz	0.120	1.40	1.50
SDRR10145-680MC	68 ± 20%	1 KHz	0.168	1.20	1.30
SDRR10145-101MC	100 ± 20%	1 KHz	0.240	1.00	1.10
SDRR10145-151MC	150 ± 20%	1 KHz	0.420	0.79	0.81
SDRR10145-221MC	220 ± 20%	1 KHz	0.564	0.65	0.70
SDRR10145-331MC	330 ± 20%	1 KHz	0.816	0.54	0.58
SDRR10145-471MC	470 ± 20%	1 KHz	1.236	0.47	0.47
SDRR10145-681MC	680 ± 20%	1 KHz	1.920	0.38	0.38
SDRR10145-102MC	1,000 ± 20%	1 KHz	3.360	0.32	0.29
SDRR10145-152MC	1,500 ± 20%	1 KHz	4.080	0.22	0.26

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

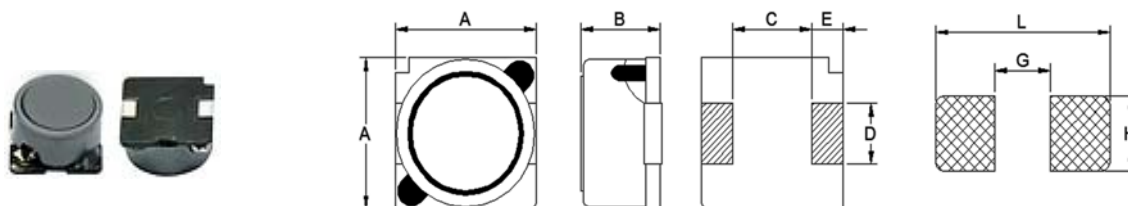
Features

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Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR10165	10.1 ± 0.3	7.0 max.	6.0 ± 0.2	3.0 ± 0.2	2.0	10.6	5.6	3.2

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR10165-1R5NC	1.5 ± 30%	1 KHz	0.009	10.70	6.80
SDRR10165-2R2NC	2.2 ± 30%	1 KHz	0.011	8.90	6.30
SDRR10165-3R3NC	3.3 ± 30%	1 KHz	0.013	7.80	5.80
SDRR10165-4R7NC	4.7 ± 30%	1 KHz	0.016	6.10	4.70
SDRR10165-6R8NC	6.8 ± 30%	1 KHz	0.019	4.60	4.30
SDRR10165-100MC	10 ± 20%	1 KHz	0.025	4.10	3.80
SDRR10165-150MC	15 ± 20%	1 KHz	0.035	3.10	3.10
SDRR10165-220MC	22 ± 20%	1 KHz	0.059	2.70	2.40

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

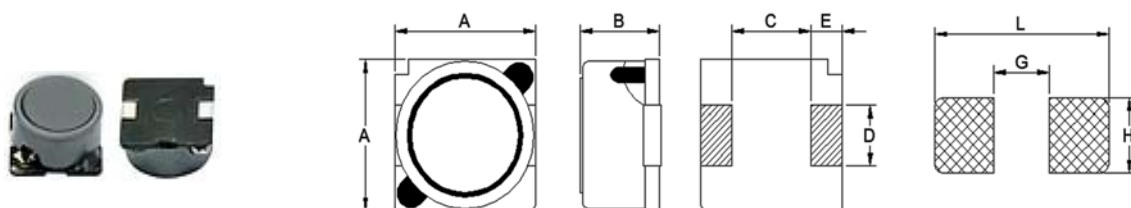
Features

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Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 800 pcs/reel

Type		B	C	D	E	L	G	H
SDRR12555	12.5 ± 0.3	5.8 max.	8.0 ± 0.2	3.0 ± 0.2	2.0	13.6	8.6	3.2

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR12555-6R0NC	6.0 ± 30%	1 KHz	0.020	3.60	4.90
SDRR12555-100MC	10 ± 20%	1 KHz	0.026	3.40	4.30
SDRR12555-150MC	15 ± 20%	1 KHz	0.032	2.80	3.90
SDRR12555-220MC	22 ± 20%	1 KHz	0.041	2.30	3.40
SDRR12555-330MC	33 ± 20%	1 KHz	0.050	1.90	3.10
SDRR12555-470MC	47 ± 20%	1 KHz	0.075	1.60	2.50
SDRR12555-680MC	68 ± 20%	1 KHz	0.100	1.30	2.20
SDRR12555-101MC	100 ± 20%	1 KHz	0.141	1.10	1.80
SDRR12555-151MC	150 ± 20%	1 KHz	0.228	0.88	1.40
SDRR12555-221MC	220 ± 20%	1 KHz	0.324	0.72	1.20
SDRR12555-331MC	330 ± 20%	1 KHz	0.492	0.59	1.00
SDRR12555-471MC	470 ± 20%	1 KHz	0.624	0.49	0.88
SDRR12555-681MC	680 ± 20%	1 KHz	0.912	0.43	0.73
SDRR12555-102MC	1,000 ± 20%	1 KHz	1.344	0.34	0.60

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

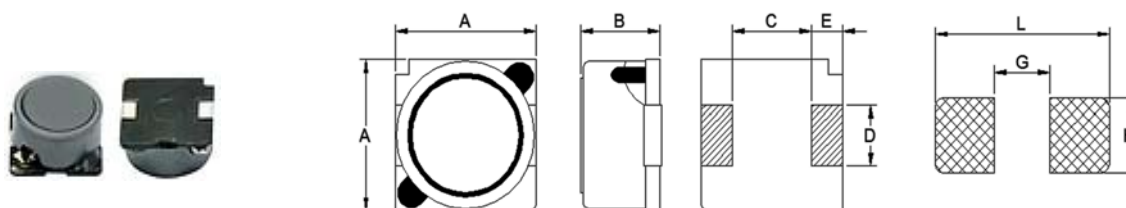
Features

- The SDRR series are characterized by low profile.
- Low DC resistance and high current handling capacities.
- Flat bottom surface ensure secure, reliable mounting.
- Provided in embossed carrier tape packing for use automatic mounting machines.

Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR12565	12.5 ± 0.3	6.9 max.	8.0 ± 0.2	3.0 ± 0.2	2.0	13.6	8.6	3.2

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR12565-2R0NC	2.0 ± 30%	1 KHz	0.015	10.00	6.20
SDRR12565-4R2NC	4.2 ± 30%	1 KHz	0.018	7.30	5.50
SDRR12565-100MC	10 ± 20%	1 KHz	0.025	5.00	4.80
SDRR12565-150MC	15 ± 20%	1 KHz	0.029	4.20	4.40
SDRR12565-220MC	22 ± 20%	1 KHz	0.038	3.50	3.80
SDRR12565-330MC	33 ± 20%	1 KHz	0.049	2.80	3.40
SDRR12565-470MC	47 ± 20%	1 KHz	0.070	2.40	2.80
SDRR12565-680MC	68 ± 20%	1 KHz	0.095	2.00	2.40
SDRR12565-101MC	100 ± 20%	1 KHz	0.148	1.60	1.90

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

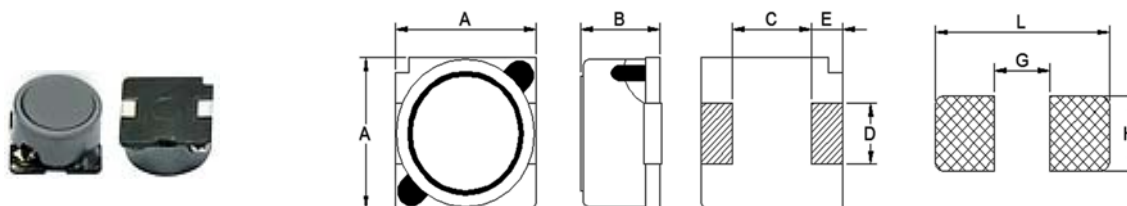
Features

- The SDRR series are characterized by low profile.
- Low DC resistance and high current handling capacities.
- Flat bottom surface ensure secure, reliable mounting.
- Provided in embossed carrier tape packing for use automatic mounting machines.

Applications

- Ideally used in PC, HDD, LCD-TV, Plasma-TV, DVD-recorder and other Audio-Visual equipment etc.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRR12575	12.5 ± 0.3	7.9 max.	8.0 ± 0.2	3.0 ± 0.2	2.0	13.6	8.6	3.2

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRR12575-1R2NC	1.2 ± 30%	1 KHz	0.009	13.00	8.20
SDRR12575-2R7NC	2.7 ± 30%	1 KHz	0.012	10.00	7.00
SDRR12575-3R9NC	3.9 ± 30%	1 KHz	0.013	9.00	6.70
SDRR12575-5R6NC	5.6 ± 30%	1 KHz	0.014	7.80	6.30
SDRR12575-6R8NC	6.8 ± 30%	1 KHz	0.016	7.20	5.90
SDRR12575-100MC	10 ± 20%	1 KHz	0.019	5.50	5.40
SDRR12575-150MC	15 ± 20%	1 KHz	0.023	4.70	5.00
SDRR12575-220MC	22 ± 20%	1 KHz	0.032	4.00	4.00
SDRR12575-330MC	33 ± 20%	1 KHz	0.048	3.20	3.40
SDRR12575-470MC	47 ± 20%	1 KHz	0.064	2.70	3.00
SDRR12575-680MC	68 ± 20%	1 KHz	0.094	2.00	2.40
SDRR12575-101MC	100 ± 20%	1 KHz	0.150	1.90	1.90
SDRR12575-151MC	150 ± 20%	1 KHz	0.210	1.50	1.60
SDRR12575-221MC	220 ± 20%	1 KHz	0.310	1.30	1.30

NOTES:

Isat : DC current at which the inductance drops approximately 30% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

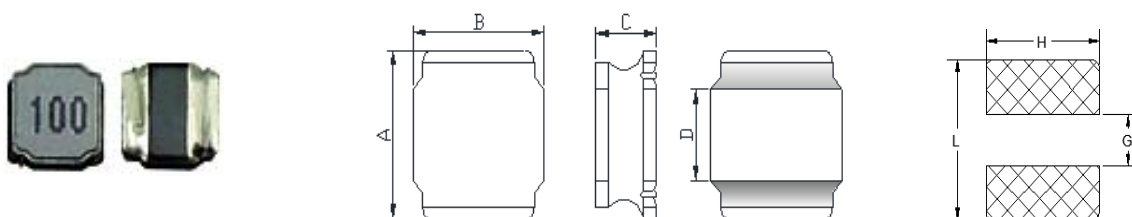
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR3010	3.0 ± 0.2	3.0 ± 0.2	1.0 max.	2.5 ± 0.2	3.5 ref.	1.5 ref.	2.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR3010-1R0NC	1.0 ± 30%	100	0.065	2.10	1.45	180
SDNR3010-1R2NC	1.2 ± 30%	100	0.065	1.70	1.45	137
SDNR3010-1R5NC	1.5 ± 30%	100	0.080	1.55	1.30	120
SDNR3010-2R2NC	2.2 ± 30%	100	0.110	1.50	1.09	100
SDNR3010-2R7NC	2.7 ± 30%	100	0.130	1.20	1.02	90
SDNR3010-3R3NC	3.3 ± 30%	100	0.145	1.15	0.96	74
SDNR3010-3R6MC	3.6 ± 20%	100	0.165	1.10	0.90	67
SDNR3010-4R7MC	4.7 ± 20%	100	0.225	1.05	0.77	59
SDNR3010-5R6MC	5.6 ± 20%	100	0.025	0.85	0.70	45
SDNR3010-6R8MC	6.8 ± 20%	100	0.305	0.75	0.66	42
SDNR3010-8R2MC	8.2 ± 20%	100	0.400	0.72	0.58	40
SDNR3010-100MC	10 ± 20%	100	0.400	0.70	0.55	39
SDNR3010-120MC	12 ± 20%	100	0.505	0.65	0.52	36
SDNR3010-150MC	15 ± 20%	100	0.610	0.57	0.47	30
SDNR3010-220MC	22 ± 20%	100	0.930	0.48	0.38	28
SDNR3010-270MC	27 ± 20%	100	1.080	0.45	0.35	25
SDNR3010-330MC	33 ± 20%	100	1.550	0.42	0.30	23
SDNR3010-390MC	39 ± 20%	100	1.750	0.38	0.28	18
SDNR3010-430MC	43 ± 20%	100	1.800	0.36	0.27	18
SDNR3010-470MC	47 ± 20%	100	1.950	0.35	0.26	17
SDNR3010-510MC	51 ± 20%	100	2.200	0.33	0.25	17
SDNR3010-560MC	56 ± 20%	100	2.320	0.28	0.24	16

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

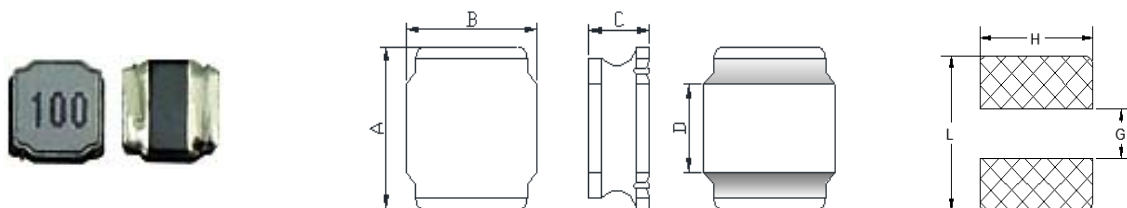
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR3012	3.0 ± 0.2	3.0 ± 0.2	1.2 max.	2.5 ± 0.2	3.5 ref.	1.5 ref.	2.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR3012-1R0NC	1.0 ± 30%	100	0.040	2.70	2.20	120
SDNR3012-1R2NC	1.2 ± 30%	100	0.045	2.50	2.01	115
SDNR3012-1R5NC	1.5 ± 30%	100	0.052	1.90	1.90	110
SDNR3012-1R8NC	1.8 ± 30%	100	0.063	1.85	1.65	90
SDNR3012-2R2NC	2.2 ± 30%	100	0.075	1.80	1.55	84
SDNR3012-2R7NC	2.7 ± 30%	100	0.085	1.45	1.48	65
SDNR3012-3R3NC	3.3 ± 20%	100	0.100	1.40	1.36	64
SDNR3012-3R9NC	3.9 ± 20%	100	0.145	1.30	1.24	58
SDNR3012-4R7NC	4.7 ± 20%	100	0.160	1.00	1.18	55
SDNR3012-5R6NC	5.6 ± 20%	100	0.174	0.95	1.13	52
SDNR3012-6R8NC	6.8 ± 20%	100	0.190	0.90	0.98	49
SDNR3012-100MC	10 ± 20%	100	0.265	0.88	0.83	42
SDNR3012-120MC	12 ± 20%	100	0.345	0.67	0.73	32
SDNR3012-150MC	15 ± 20%	100	0.360	0.62	0.71	27
SDNR3012-180MC	18 ± 20%	100	0.545	0.59	0.56	25
SDNR3012-220MC	22 ± 20%	100	0.645	0.52	0.53	23
SDNR3012-270MC	27 ± 20%	100	0.870	0.48	0.47	21
SDNR3012-330MC	33 ± 20%	100	0.895	0.46	0.46	18
SDNR3012-390MC	39 ± 20%	100	1.330	0.39	0.37	16
SDNR3012-470MC	47 ± 20%	100	1.450	0.35	0.35	14
SDNR3012-560MC	56 ± 20%	100	1.580	0.33	0.28	9
SDNR3012-680MC	68 ± 20%	100	1.670	0.29	0.27	7
SDNR3012-820MC	82 ± 20%	100	2.540	0.27	0.26	6
SDNR3012-101MC	100 ± 20%	100	2.860	0.23	0.25	5

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

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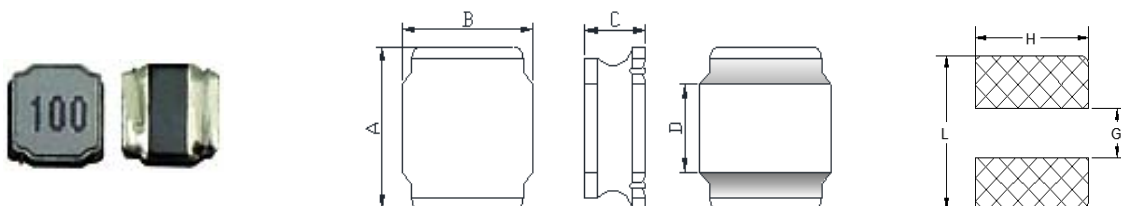
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR3015	3.0 ± 0.2	3.0 ± 0.2	1.5 max.	2.5 ± 0.2	3.5 ref.	1.5 ref.	2.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR3015-1R0NC	1.0 ± 30%	100	0.030	3.10	2.35	150
SDNR3015-1R2NC	1.2 ± 30%	100	0.040	2.80	1.95	110
SDNR3015-1R5NC	1.5 ± 30%	100	0.050	2.70	1.70	100
SDNR3015-1R8NC	1.8 ± 30%	100	0.055	2.20	1.65	92
SDNR3015-2R2NC	2.2 ± 30%	100	0.060	2.00	1.60	86
SDNR3015-2R7NC	2.7 ± 30%	100	0.075	1.90	1.45	68
SDNR3015-3R3MC	3.3 ± 20%	100	0.080	1.81	1.36	64
SDNR3015-3R9MC	3.9 ± 20%	100	0.110	1.40	1.17	53
SDNR3015-4R7MC	4.7 ± 20%	100	0.115	1.35	1.14	49
SDNR3015-5R6MC	5.6 ± 20%	100	0.125	1.30	1.09	47
SDNR3015-6R8MC	6.8 ± 20%	100	0.200	1.10	0.83	41
SDNR3015-100MC	10 ± 20%	100	0.250	0.92	0.77	39
SDNR3015-120MC	12 ± 20%	100	0.320	0.90	0.68	32
SDNR3015-150MC	15 ± 20%	100	0.350	0.88	0.65	30
SDNR3015-180MC	18 ± 20%	100	0.430	0.72	0.59	25
SDNR3015-220MC	22 ± 20%	100	0.460	0.68	0.57	23
SDNR3015-270MC	27 ± 20%	100	0.730	0.56	0.45	22
SDNR3015-330MC	33 ± 20%	100	0.820	0.53	0.43	20
SDNR3015-390MC	39 ± 20%	100	0.995	0.50	0.39	16
SDNR3015-470MC	47 ± 20%	100	0.125	0.43	0.35	14
SDNR3015-560MC	56 ± 20%	100	0.128	0.42	0.34	13
SDNR3015-680MC	68 ± 20%	100	2.700	0.37	0.23	11
SDNR3015-820MC	82 ± 20%	100	3.110	0.25	0.21	6.3
SDNR3015-101MC	100 ± 20%	100	3.800	0.22	0.19	4.7

NOTES:

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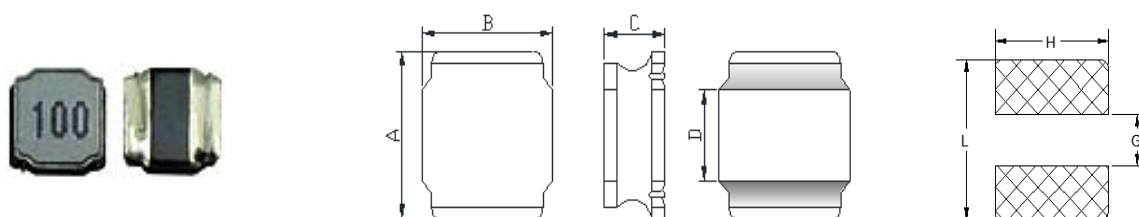
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR4010	4.0 ± 0.2	4.0 ± 0.2	1.0 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4010-1R0NC	1.0 ± 30%	100	0.056	2.00	1.90	116
SDNR4010-2R2NC	1.5 ± 30%	100	0.070	1.68	1.70	94
SDNR4010-3R3NC	2.2 ± 30%	100	0.085	1.20	1.50	73
SDNR4010-4R7NC	3.3 ± 30%	100	0.100	1.10	1.40	58
SDNR4010-6R8NC	4.7 ± 30%	100	0.140	0.95	1.20	47
SDNR4010-100MC	6.8 ± 30%	100	0.200	0.80	1.00	38
SDNR4010-150MC	10.0 ± 20%	100	0.300	0.62	0.75	31
SDNR4010-220MC	15.0 ± 20%	100	0.430	0.54	0.60	24
SDNR4010-221MC	22.0 ± 20%	100	0.570	0.45	0.50	19

NOTES:

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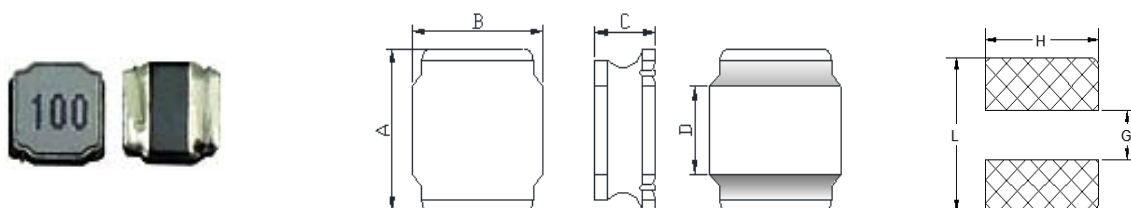
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR4012	4.0 ± 0.2	4.0 ± 0.2	1.2 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4012-R82NC	0.82 ± 30%	100	0.050	3.02	1.65	150
SDNR4012-1R0NC	1.0 ± 30%	100	0.056	2.61	1.55	120
SDNR4012-1R5NC	1.5 ± 30%	100	0.065	2.20	1.46	90
SDNR4012-1R8NC	1.8 ± 30%	100	0.080	2.12	1.32	88
SDNR4012-2R2NC	2.2 ± 30%	100	0.085	1.90	1.30	74
SDNR4012-2R7NC	2.7 ± 30%	100	0.090	1.75	1.25	71
SDNR4012-3R3NC	3.3 ± 30%	100	0.110	1.72	1.15	60
SDNR4012-4R7NC	4.7 ± 30%	100	0.145	1.15	1.05	50
SDNR4012-5R6NC	5.6 ± 30%	100	0.170	1.00	0.95	42
SDNR4012-6R8MC	6.8 ± 20%	100	0.198	0.85	0.84	40
SDNR4012-100MC	10 ± 20%	100	0.265	0.80	0.77	33
SDNR4012-120MC	12 ± 20%	100	0.290	0.66	0.70	32
SDNR4012-150MC	15 ± 20%	100	0.370	0.56	0.64	25
SDNR4012-180MC	18 ± 20%	100	0.470	0.55	0.55	23
SDNR4012-220MC	22 ± 20%	100	0.587	0.46	0.49	20
SDNR4012-270MC	27 ± 20%	100	0.720	0.45	0.45	18
SDNR4012-330MC	33 ± 20%	100	0.810	0.42	0.42	17
SDNR4012-390MC	39 ± 20%	100	1.100	0.37	0.37	14
SDNR4012-470MC	47 ± 20%	100	1.150	0.35	0.35	12
SDNR4012-560MC	56 ± 20%	100	1.250	0.33	0.33	11
SDNR4012-680MC	68 ± 20%	100	1.950	0.30	0.27	10.5
SDNR4012-820MC	82 ± 20%	100	2.140	0.28	0.26	10
SDNR4012-101MC	100 ± 20%	100	2.210	0.25	0.25	9.4

NOTES:

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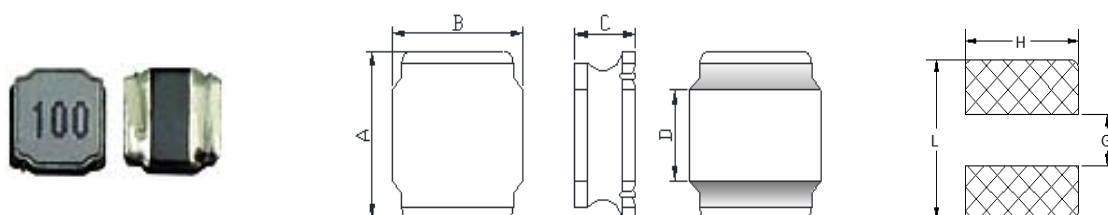
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR4018	4.0 ± 0.2	4.0 ± 0.2	1.8 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4018-R47NC	0.47 ± 30%	100	0.014	4.80	4.00	155
SDNR4018-R68NC	0.68 ± 30%	100	0.020	4.30	3.30	128
SDNR4018-1R0NC	1.0 ± 30%	100	0.025	4.00	2.00	80
SDNR4018-1R5NC	1.5 ± 30%	100	0.030	3.40	1.80	65
SDNR4018-1R8NC	1.8 ± 30%	100	0.034	3.00	1.75	54
SDNR4018-2R2MC	2.2 ± 20%	100	0.045	2.70	1.65	52
SDNR4018-3R3MC	3.3 ± 20%	100	0.070	2.45	1.23	44
SDNR4018-4R7MC	4.7 ± 20%	100	0.090	1.70	1.20	34
SDNR4018-6R8MC	6.8 ± 20%	100	0.110	1.45	1.06	29
SDNR4018-100MC	10 ± 20%	100	0.180	1.30	0.84	24
SDNR4018-150MC	15 ± 20%	100	0.250	0.94	0.65	19
SDNR4018-220MC	22 ± 20%	100	0.360	0.80	0.59	16
SDNR4018-270MC	27 ± 20%	100	0.470	0.67	0.52	13
SDNR4018-330MC	33 ± 20%	100	0.530	0.60	0.49	12
SDNR4018-470MC	47 ± 20%	100	0.650	0.56	0.42	10
SDNR4018-680MC	68 ± 20%	100	1.000	0.47	0.32	8.3
SDNR4018-101MC	100 ± 20%	100	1.750	0.40	0.25	6.5
SDNR4018-151MC	150 ± 20%	100	2.500	0.31	0.22	5.5
SDNR4018-221MC	220 ± 20%	100	4.000	0.27	0.17	4

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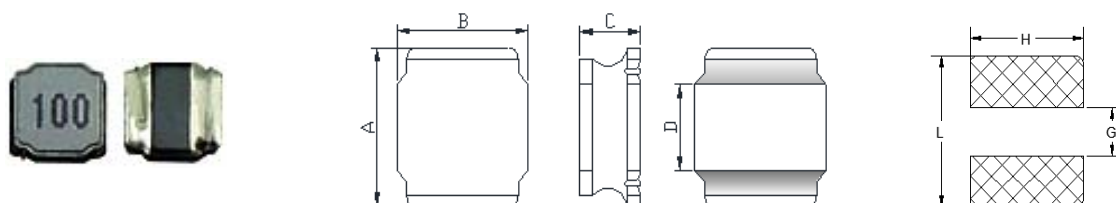
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR4020	4.0 ± 0.2	4.0 ± 0.2	2.0 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4020-R33NC	0.33 ± 30%	100	0.013	7.50	3.30	223
SDNR4020-R47NC	0.47 ± 30%	100	0.022	7.00	3.10	160
SDNR4020-R68NC	0.68 ± 30%	100	0.028	6.40	2.80	120
SDNR4020-1R0NC	1.0 ± 30%	100	0.029	5.70	2.25	75
SDNR4020-1R2NC	1.2 ± 30%	100	0.031	5.10	2.15	72
SDNR4020-1R5NC	1.5 ± 30%	100	0.035	4.45	1.98	71
SDNR4020-2R2NC	2.2 ± 30%	100	0.040	3.40	1.85	49
SDNR4020-3R3MC	3.3 ± 20%	100	0.065	3.20	1.54	45
SDNR4020-3R6MC	3.6 ± 20%	100	0.070	2.80	1.40	43
SDNR4020-4R7MC	4.7 ± 20%	100	0.075	2.35	1.34	42
SDNR4020-5R6MC	5.6 ± 20%	100	0.090	2.20	1.22	36
SDNR4020-6R8MC	6.8 ± 20%	100	0.125	2.00	1.15	31
SDNR4020-8R2MC	8.2 ± 20%	100	0.145	1.75	1.04	27
SDNR4020-100MC	10 ± 20%	100	0.165	1.60	0.90	26
SDNR4020-120MC	12 ± 20%	100	0.175	1.50	0.88	25
SDNR4020-150MC	15 ± 20%	100	0.230	1.35	0.77	24
SDNR4020-220MC	22 ± 20%	100	0.350	1.05	0.62	15
SDNR4020-270MC	27 ± 20%	100	0.545	1.02	0.50	14
SDNR4020-330MC	33 ± 20%	100	0.650	0.85	0.49	11
SDNR4020-390MC	39 ± 20%	100	0.660	0.82	0.46	11
SDNR4020-470MC	47 ± 20%	100	0.710	0.77	0.45	10
SDNR4020-560MC	56 ± 20%	100	0.800	0.66	0.41	10
SDNR4020-680MC	68 ± 20%	100	1.060	0.61	0.36	7.7
SDNR4020-820MC	82 ± 20%	100	1.170	0.50	0.34	7.7
SDNR4020-101MC	100 ± 20%	100	1.550	0.48	0.31	6.3

NOTES:

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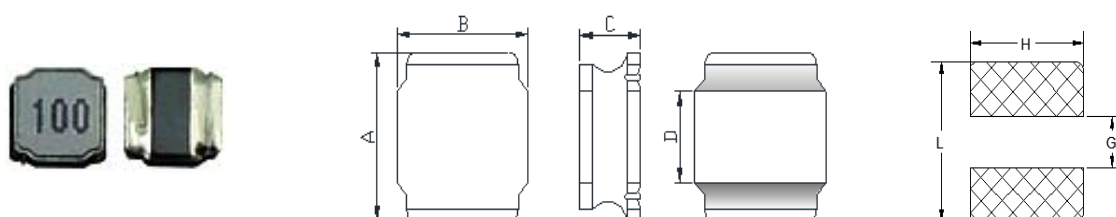
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Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR4026	4.0 ± 0.2	4.0 ± 0.2	2.6 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4026-1R0NC	1.0 ± 30%	100	0.024	3.30	3.00	151
SDNR4026-1R2NC	1.2 ± 30%	100	0.030	3.10	2.30	120
SDNR4026-1R5NC	1.5 ± 30%	100	0.035	2.40	2.20	100
SDNR4026-2R2MC	2.2 ± 20%	100	0.040	2.10	2.00	96
SDNR4026-3R3MC	3.3 ± 20%	100	0.050	1.80	1.70	58
SDNR4026-4R7MC	4.7 ± 20%	100	0.055	1.45	1.60	46
SDNR4026-6R8MC	6.8 ± 20%	100	0.065	1.30	1.50	33
SDNR4026-100MC	10 ± 20%	100	0.085	1.00	1.30	26
SDNR4026-150MC	15 ± 20%	100	0.110	0.90	1.10	19
SDNR4026-220MC	22 ± 20%	100	0.165	0.60	0.90	13
SDNR4026-330MC	33 ± 20%	100	0.270	0.55	0.70	9
SDNR4026-470MC	47 ± 20%	100	0.300	0.40	0.65	6

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

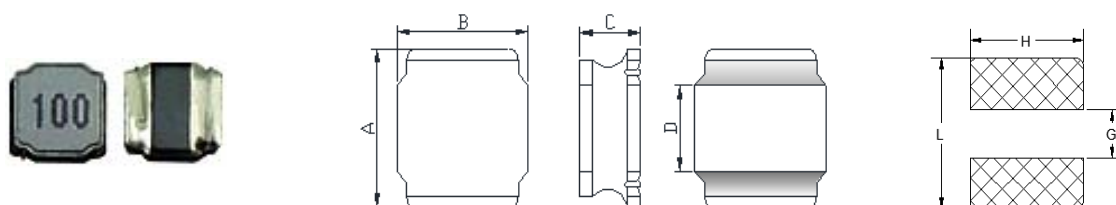
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR4030	4.0 ± 0.2	4.0 ± 0.2	3.0 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.	

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4030-1R0NC	1.0 ± 30%	100	0.014	5.80	4.15	80
SDNR4030-1R5NC	1.5 ± 30%	100	0.020	5.20	3.34	62
SDNR4030-2R2NC	2.2 ± 30%	100	0.030	4.50	2.95	52
SDNR4030-3R3MC	3.3 ± 20%	100	0.040	3.50	2.40	38
SDNR4030-3R9MC	3.9 ± 20%	100	0.051	3.00	2.20	33
SDNR4030-4R7MC	4.7 ± 20%	100	0.060	2.90	2.00	31
SDNR4030-5R6MC	5.6 ± 20%	100	0.065	2.75	1.95	30
SDNR4030-6R8MC	6.8 ± 20%	100	0.080	2.60	1.80	28
SDNR4030-8R2MC	8.2 ± 20%	100	0.090	2.10	1.60	24
SDNR4030-100MC	10 ± 20%	100	0.100	1.95	1.50	21
SDNR4030-150MC	15 ± 20%	100	0.190	1.65	1.11	16
SDNR4030-220MC	22 ± 20%	100	0.225	1.30	1.00	14
SDNR4030-330MC	33 ± 20%	100	0.330	1.10	0.84	12
SDNR4030-390MC	39 ± 20%	100	0.435	1.03	0.73	9.8
SDNR4030-470MC	47 ± 20%	100	0.445	0.96	0.72	9.2
SDNR4030-560MC	56 ± 20%	100	0.555	0.85	0.65	8.4
SDNR4030-680MC	68 ± 20%	100	0.868	0.72	0.52	6.5
SDNR4030-820MC	82 ± 20%	100	1.060	0.66	0.47	5.6
SDNR4030-101MC	100 ± 20%	100	1.150	0.60	0.45	5.4
SDNR4030-151MC	150 ± 20%	100	1.800	0.50	0.35	4.5
SDNR4030-221MC	220 ± 20%	100	2.500	0.40	0.30	4.2
SDNR4030-331MC	330 ± 20%	100	4.000	0.30	0.25	3.8
SDNR4030-471MC	470 ± 20%	100	6.944	0.28	0.20	2.5
SDNR4030-561MC	560 ± 20%	100	7.200	0.25	0.15	2.0
SDNR4030-681MC	680 ± 20%	100	7.580	0.19	0.14	1.2

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

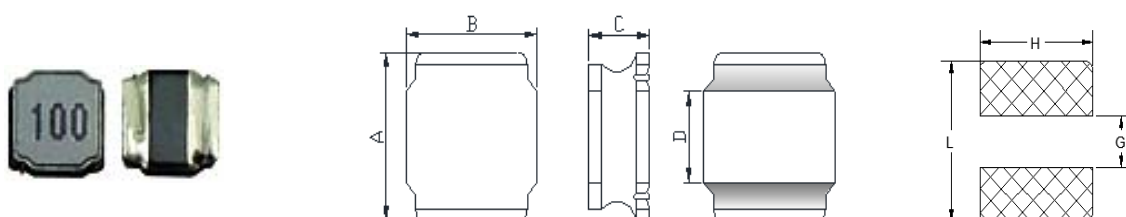
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C max.	D	F	G	H	
SDNR5012	5.0 ± 0.2	5.0 ± 0.2	1.2 max.	4.0 ± 0.2	5.7 ref.	2.3 ref.	4.2 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR5012-R22NC	0.22 ± 30%	100	0.028	8.10	3.00	315
SDNR5012-1R0NC	1.0 ± 30%	100	0.057	4.40	2.00	109
SDNR5012-1R5NC	1.5 ± 30%	100	0.072	3.70	1.90	68
SDNR5012-2R2NC	2.2 ± 30%	100	0.090	3.10	1.70	50
SDNR5012-3R3NC	3.3 ± 30%	100	0.126	2.40	1.40	34
SDNR5012-4R7NC	4.7 ± 30%	100	0.164	2.20	1.30	31
SDNR5012-6R8MC	6.8 ± 20%	100	0.245	1.70	1.00	22
SDNR5012-100MC	10 ± 20%	100	0.334	1.40	0.85	17
SDNR5012-150MC	15 ± 20%	100	0.436	1.20	0.80	13
SDNR5012-220MC	22 ± 20%	100	0.780	0.88	0.60	16

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

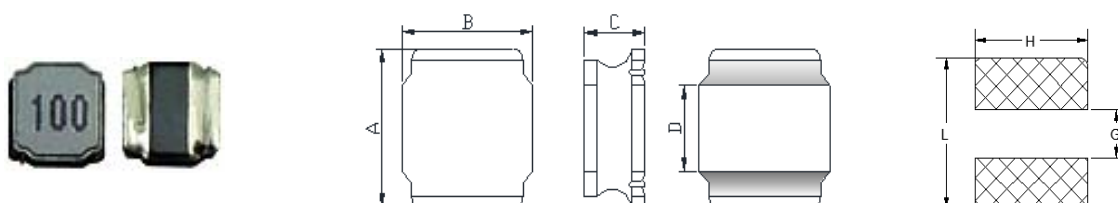
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR5020	5.0 ± 0.2	5.0 ± 0.2	2.0 max.	4.0 ± 0.2	5.7 ref.	2.3 ref.	4.2 ref.	

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR5020-R22NC	0.22 ± 30%	100	0.009	9.00	5.30	280
SDNR5020-R47NC	0.47 ± 30%	100	0.013	7.00	4.60	160
SDNR5020-R56NC	0.56 ± 30%	100	0.017	6.50	4.20	137
SDNR5020-R68NC	0.68 ± 30%	100	0.017	5.50	4.00	120
SDNR5020-1R0NC	1.0 ± 30%	100	0.020	4.50	3.80	114
SDNR5020-1R5NC	1.5 ± 30%	100	0.026	4.10	3.20	68
SDNR5020-2R2NC	2.2 ± 30%	100	0.032	3.20	2.90	57
SDNR5020-2R7NC	2.7 ± 30%	100	0.038	2.90	2.70	52
SDNR5020-3R3NC	3.3 ± 30%	100	0.043	2.65	2.50	46
SDNR5020-3R9NC	3.9 ± 30%	100	0.043	2.45	2.50	40
SDNR5020-4R7MC	4.7 ± 20%	100	0.057	2.35	2.20	37
SDNR5020-5R6MC	5.6 ± 20%	100	0.064	2.25	2.05	32
SDNR5020-6R8MC	6.8 ± 20%	100	0.083	2.05	1.80	30
SDNR5020-8R2MC	8.2 ± 20%	100	0.098	1.85	1.65	26
SDNR5020-100MC	10 ± 20%	100	0.110	1.70	1.55	24
SDNR5020-150MC	15 ± 20%	100	0.165	1.35	1.25	20
SDNR5020-220MC	22 ± 20%	100	0.226	1.15	1.10	14
SDNR5020-330MC	33 ± 20%	100	0.390	0.92	0.90	10
SDNR5020-470MC	47 ± 20%	100	0.523	0.77	0.77	7
SDNR5020-560MC	56 ± 20%	100	0.630	0.77	0.70	6
SDNR5020-680MC	68 ± 20%	100	0.740	0.65	0.64	6
SDNR5020-820MC	82 ± 20%	100	0.965	0.65	0.50	6
SDNR5020-101MC	100 ± 20%	100	1.100	0.53	0.53	6
SDNR5020-121MC	120 ± 20%	100	1.350	0.42	0.40	6
SDNR5020-201MC	200 ± 20%	100	2.000	0.30	0.40	4.5

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

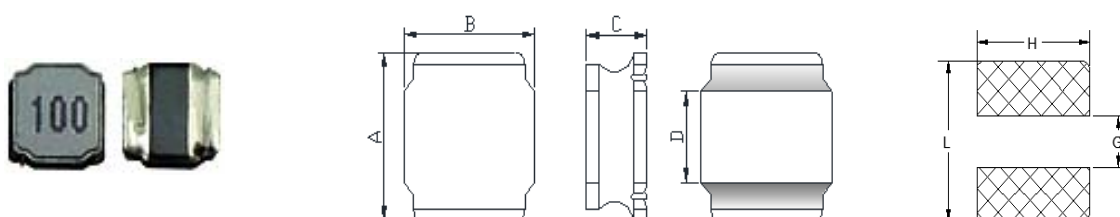
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR5040	5.0 ± 0.2	5.0 ± 0.2	4.0 max.	4.0 ± 0.2	5.7 ref.	2.3 ref.	4.2 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR5040-1R0NC	1.0 ± 30%	100	0.012	7.35	4.90	117
SDNR5040-1R2NC	1.2 ± 30%	100	0.015	6.50	4.30	110
SDNR5040-1R5NC	1.5 ± 30%	100	0.016	6.30	4.15	86
SDNR5040-1R8NC	1.8 ± 30%	100	0.016	5.50	4.15	55
SDNR5040-2R2NC	2.2 ± 30%	100	0.019	4.90	3.80	50
SDNR5040-2R7NC	2.7 ± 30%	100	0.022	4.30	3.60	37
SDNR5040-3R3NC	3.3 ± 30%	100	0.024	3.95	3.40	32
SDNR5040-3R9NC	3.9 ± 30%	100	0.027	3.55	3.20	29
SDNR5040-4R7NC	4.7 ± 30%	100	0.030	3.50	3.00	28
SDNR5040-5R6MC	5.6 ± 20%	100	0.035	3.00	2.80	27
SDNR5040-6R8MC	6.8 ± 20%	100	0.043	2.90	2.50	21
SDNR5040-8R2MC	8.2 ± 20%	100	0.048	2.70	2.30	20
SDNR5040-100MC	10 ± 20%	100	0.064	2.35	2.10	18
SDNR5040-150MC	15 ± 20%	100	0.086	2.00	2.00	13
SDNR5040-220MC	22 ± 20%	100	0.129	1.60	1.50	11
SDNR5040-330MC	33 ± 20%	100	0.188	1.30	1.20	9
SDNR5040-470MC	47 ± 20%	100	0.272	1.10	1.00	7
SDNR5040-680MC	68 ± 20%	100	0.400	0.90	0.80	6
SDNR5040-101MC	100 ± 20%	100	0.560	0.75	0.70	5
SDNR5040-151MC	150 ± 20%	100	0.750	0.65	0.60	3.7
SDNR5040-102MC	1,000 ± 20%	100	6.000	0.21	0.20	1.3

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

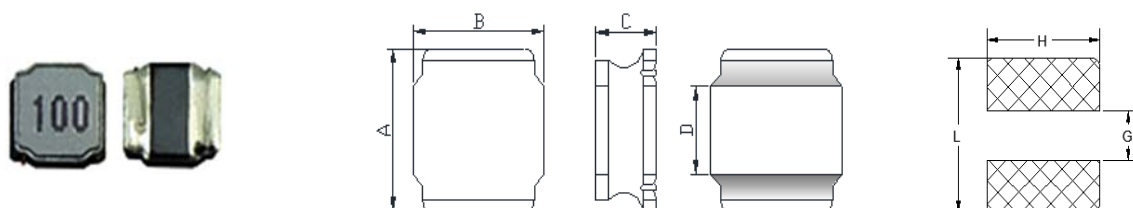
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR6020	6.0 ± 0.3	6.0 ± 0.3	2.0 max.	4.9 ± 0.2	6.5 ref.	2.8 ref.	5.7 ref.	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6020-R50NC	0.50 ± 30%	100	0.014	6.50	4.00	120
SDNR6020-R68NC	0.68 ± 30%	100	0.017	5.90	3.80	115
SDNR6020-R82NC	0.82 ± 30%	100	0.017	5.50	3.80	110
SDNR6020-1R0NC	1.0 ± 30%	100	0.020	5.30	3.50	100
SDNR6020-1R2NC	1.2 ± 30%	100	0.022	5.15	3.20	88
SDNR6020-1R5NC	1.5 ± 30%	100	0.022	4.85	3.20	79
SDNR6020-1R8NC	1.8 ± 30%	100	0.028	4.40	2.75	68
SDNR6020-2R2NC	2.2 ± 30%	100	0.028	3.90	2.60	61
SDNR6020-2R7NC	2.7 ± 30%	100	0.035	3.75	2.50	56
SDNR6020-3R3NC	3.3 ± 30%	100	0.035	3.55	2.40	51
SDNR6020-3R9NC	3.9 ± 30%	100	0.049	3.25	2.10	45
SDNR6020-4R7NC	4.7 ± 30%	100	0.058	2.70	2.00	41
SDNR6020-5R6NC	5.6 ± 30%	100	0.058	2.40	1.90	36
SDNR6020-6R8NC	6.8 ± 30%	100	0.079	2.20	1.80	31
SDNR6020-8R2NC	8.2 ± 30%	100	0.105	2.10	1.40	27
SDNR6020-100MC	10 ± 20%	100	0.105	1.75	1.40	27
SDNR6020-120MC	12 ± 20%	100	0.120	1.45	1.30	25
SDNR6020-150MC	15 ± 20%	100	0.145	1.20	1.20	21
SDNR6020-180MC	18 ± 20%	100	0.180	1.20	1.08	18
SDNR6020-220MC	22 ± 20%	100	0.204	1.05	1.00	16
SDNR6020-330MC	33 ± 20%	100	0.300	0.95	0.84	11
SDNR6020-470MC	47 ± 20%	100	0.430	0.70	0.80	10
SDNR6020-331MC	330 ± 20%	100	2.630	0.27	0.33	3

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

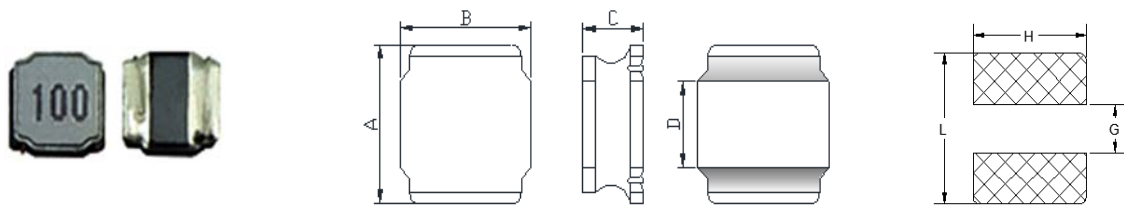
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR6028	6.0 ± 0.3	6.0 ± 0.3	2.8 max.	4.9 ± 0.2	6.5 ref.	2.8 ref.	5.7 ref.	

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6028-R82NC	0.82 ± 30%	100	0.010	6.50	5.20	97
SDNR6028-1R0NC	1.0 ± 30%	100	0.012	6.40	5.20	70
SDNR6028-1R2NC	1.2 ± 30%	100	0.013	6.00	4.58	69
SDNR6028-1R5NC	1.5 ± 30%	100	0.013	5.75	4.58	65
SDNR6028-2R2NC	2.2 ± 30%	100	0.020	5.10	3.75	48
SDNR6028-2R7NC	2.7 ± 30%	100	0.020	4.50	3.75	48
SDNR6028-3R3NC	3.3 ± 30%	100	0.025	4.15	3.48	41
SDNR6028-4R7NC	4.7 ± 20%	100	0.030	3.00	3.08	35
SDNR6028-6R8MC	6.8 ± 20%	100	0.047	2.60	2.40	27
SDNR6028-8R2MC	8.2 ± 20%	100	0.055	2.55	2.25	24
SDNR6028-100MC	10 ± 20%	100	0.074	2.04	1.95	23
SDNR6028-120MC	12 ± 20%	100	0.080	1.80	1.85	18
SDNR6028-150MC	15 ± 20%	100	0.125	1.75	1.45	18
SDNR6028-180MC	18 ± 20%	100	0.130	1.52	1.45	15
SDNR6028-220MC	22 ± 20%	100	0.140	1.50	1.40	14
SDNR6028-270MC	27 ± 20%	100	0.155	1.45	1.32	13
SDNR6028-330MC	33 ± 20%	100	0.225	1.35	1.22	12
SDNR6028-390MC	39 ± 20%	100	0.315	1.25	1.10	11
SDNR6028-470MC	47 ± 20%	100	0.345	1.15	1.06	9.5
SDNR6028-560MC	56 ± 20%	100	0.360	1.05	0.89	8.2
SDNR6028-680MC	68 ± 20%	100	0.345	0.80	0.86	7.7
SDNR6028-820MC	82 ± 20%	100	0.500	0.80	0.70	7.7
SDNR6028-101MC	100 ± 20%	100	0.600	0.65	0.70	7.1
SDNR6028-401MC	400 ± 20%	100	2.160	0.30	0.40	2.8
SDNR6028-102MC	1,000 ± 20%	100	5.800	0.18	0.23	1.5

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

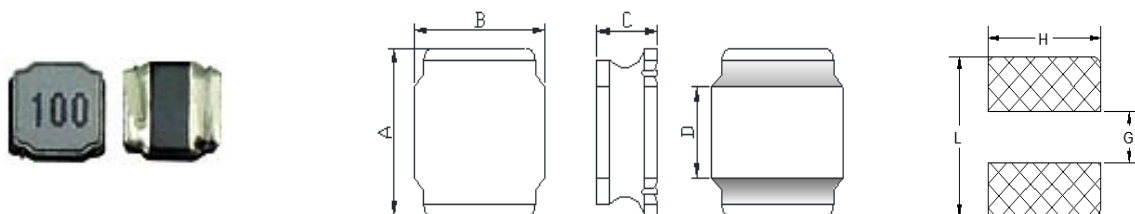
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR6040	6.0 ± 0.3	6.0 ± 0.3	4.0 max.	4.9 ± 0.2	6.5 ref.	2.8 ref.	5.7 ref.	

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6040-1R0MC	1.0 ± 20%	100	0.008	7.85	6.30	97
SDNR6040-100MC	10 ± 20%	100	0.048	3.20	2.45	16
SDNR6040-120MC	12 ± 20%	100	0.058	2.80	2.20	14
SDNR6040-150MC	15 ± 20%	100	0.068	2.50	2.05	13
SDNR6040-220MC	22 ± 20%	100	0.089	2.05	1.80	10
SDNR6040-330MC	33 ± 20%	100	0.138	1.65	1.45	9.9
SDNR6040-680MC	68 ± 20%	100	0.285	1.15	0.95	5.6
SDNR6040-471MC	470 ± 20%	100	1.790	0.42	0.47	2.0

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

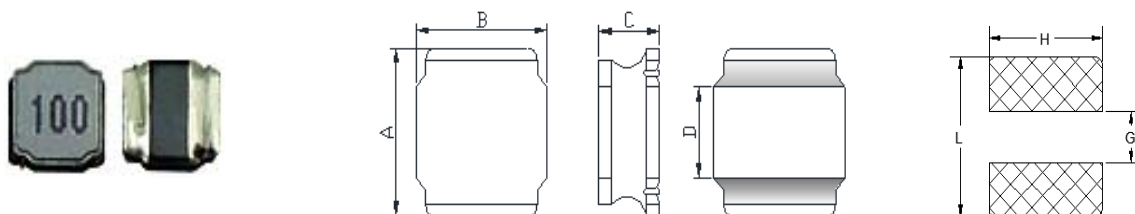
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR6045	6.0 ± 0.3	6.0 ± 0.3	4.5 max.	4.9 ± 0.2	6.5 ref.	2.8 ref.	5.7 ref.	

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6045-R47NC	0.47 ± 30%	100	0.006	15.00	6.50	155
SDNR6045-R56NC	0.56 ± 30%	100	0.006	15.00	6.50	142
SDNR6045-R68NC	0.68 ± 30%	100	0.006	11.00	5.90	140
SDNR6045-R82NC	0.82 ± 30%	100	0.008	10.35	5.70	140
SDNR6045-1R0NC	1.0 ± 30%	100	0.010	9.85	5.50	100
SDNR6045-1R2NC	1.2 ± 30%	100	0.010	8.35	5.40	100
SDNR6045-1R3NC	1.3 ± 30%	100	0.011	8.35	5.40	100
SDNR6045-1R5NC	1.5 ± 30%	100	0.012	8.00	4.95	74
SDNR6045-1R8NC	1.8 ± 30%	100	0.012	7.60	4.95	65
SDNR6045-2R2NC	2.2 ± 30%	100	0.014	6.75	4.60	60
SDNR6045-2R3NC	2.3 ± 30%	100	0.015	6.00	4.50	52
SDNR6045-2R7NC	2.7 ± 30%	100	0.020	5.75	4.30	38
SDNR6045-3R0NC	3.0 ± 30%	100	0.021	5.60	3.80	35
SDNR6045-3R3NC	3.3 ± 30%	100	0.021	5.30	3.70	32
SDNR6045-3R6NC	3.6 ± 30%	100	0.021	5.25	3.70	28
SDNR6045-4R3MC	4.3 ± 20%	100	0.021	4.97	3.50	25
SDNR6045-4R5MC	4.5 ± 20%	100	0.023	4.97	3.30	24
SDNR6045-4R7MC	4.7 ± 20%	100	0.026	4.45	3.30	24
SDNR6045-5R1MC	5.1 ± 20%	100	0.026	4.40	3.30	23
SDNR6045-5R6MC	5.6 ± 20%	100	0.029	4.40	3.15	23

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R $\pm$ 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6045-6R2MC	6.2 $\pm$ 20%	100	0.031	4.30	3.00	22
SDNR6045-6R3MC	6.3 $\pm$ 20%	100	0.031	4.20	3.00	21
SDNR6045-6R8MC	6.8 $\pm$ 20%	100	0.031	3.90	3.00	20
SDNR6045-7R5MC	7.5 $\pm$ 20%	100	0.034	3.80	2.90	18
SDNR6045-8R2MC	8.2 $\pm$ 20%	100	0.043	3.50	2.60	17
SDNR6045-9R1MC	9.1 $\pm$ 20%	100	0.043	3.35	2.60	17
SDNR6045-100MC	10 $\pm$ 20%	100	0.048	3.20	2.45	15
SDNR6045-120MC	12 $\pm$ 20%	100	0.058	2.80	2.20	13
SDNR6045-150MC	15 $\pm$ 20%	100	0.068	2.50	0.05	12
SDNR6045-180MC	18 $\pm$ 20%	100	0.081	2.20	1.85	10
SDNR6045-220MC	22 $\pm$ 20%	100	0.089	2.05	1.80	10
SDNR6045-270MC	27 $\pm$ 20%	100	0.102	1.90	1.70	9.2
SDNR6045-300MC	30 $\pm$ 20%	100	0.132	1.80	1.65	7.5
SDNR6045-330MC	33 $\pm$ 20%	100	0.137	1.80	1.65	7.4
SDNR6045-360MC	36 $\pm$ 20%	100	0.173	1.80	1.63	7.4
SDNR6045-390MC	39 $\pm$ 20%	100	0.180	1.80	1.62	7.2
SDNR6045-430MC	43 $\pm$ 20%	100	0.200	1.70	1.50	7.2
SDNR6045-470MC	47 $\pm$ 20%	100	0.200	1.40	1.40	7.2
SDNR6045-510MC	51 $\pm$ 20%	100	0.207	1.40	1.40	7.0
SDNR6045-560MC	56 $\pm$ 20%	100	0.287	1.30	1.40	6.4
SDNR6045-620MC	62 $\pm$ 20%	100	0.306	1.25	1.35	6.4
SDNR6045-680MC	68 $\pm$ 20%	100	0.376	1.20	1.30	6.4
SDNR6045-750MC	75 $\pm$ 20%	100	0.397	1.15	1.20	5.0
SDNR6045-820MC	82 $\pm$ 20%	100	0.443	1.05	1.10	4.9
SDNR6045-910MC	91 $\pm$ 20%	100	0.467	1.00	1.10	4.9
SDNR6045-101MC	100 $\pm$ 20%	100	0.563	0.95	1.00	4.2
SDNR6045-121MC	120 $\pm$ 20%	100	0.629	0.85	0.94	4.2
SDNR6045-151MC	150 $\pm$ 20%	100	0.754	0.80	0.88	4.2
SDNR6045-221MC	220 $\pm$ 20%	100	1.084	0.70	0.77	3.5
SDNR6045-331MC	330 $\pm$ 20%	100	1.651	0.57	0.63	2.8
SDNR6045-471MC	470 $\pm$ 20%	100	2.340	0.50	0.56	2.0
SDNR6045-681MC	680 $\pm$ 20%	100	3.250	0.42	0.46	1.7
SDNR6045-102MC	1,000 $\pm$ 20%	100	5.850	0.30	0.35	0.8
SDNR6045-152MC	1,500 $\pm$ 20%	100	8.450	0.24	0.27	0.5

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

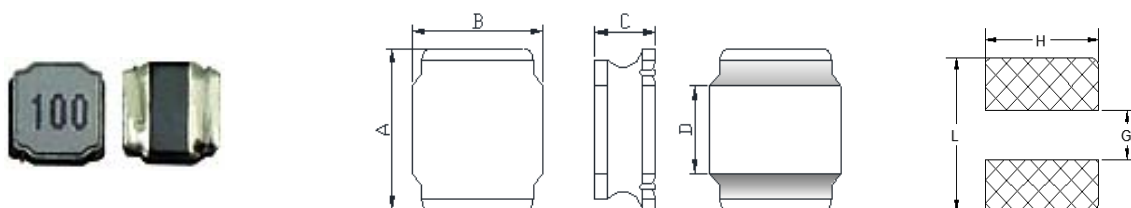
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SDNR8040	8.0 ± 0.3	8.0 ± 0.3	4.0 max.	6.3 ± 0.2	9.0 ref.	3.8 ref.	7.5 ref.	

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR8040-R82NC	0.82 ± 30%	100	0.008	13.80	6.30	94
SDNR8040-1R0NC	1.0 ± 30%	100	0.008	10.00	6.30	89
SDNR8040-1R2NC	1.2 ± 30%	100	0.010	9.85	5.65	67
SDNR8040-1R5NC	1.5 ± 30%	100	0.010	9.25	5.65	59
SDNR8040-2R0NC	2.0 ± 30%	100	0.012	8.15	5.15	43
SDNR8040-2R2NC	2.2 ± 30%	100	0.012	7.52	5.15	41
SDNR8040-3R0NC	3.0 ± 30%	100	0.014	6.50	4.70	32
SDNR8040-3R3NC	3.3 ± 30%	100	0.017	6.10	4.40	30
SDNR8040-3R6NC	3.6 ± 30%	100	0.017	5.90	4.35	27
SDNR8040-3R9NC	3.9 ± 30%	100	0.017	5.75	4.35	26
SDNR8040-4R7NC	4.7 ± 30%	100	0.019	4.90	4.10	24
SDNR8040-5R1NC	5.1 ± 30%	100	0.019	4.70	4.05	24
SDNR8040-5R6NC	5.6 ± 30%	100	0.021	4.55	3.85	20
SDNR8040-6R2NC	6.2 ± 30%	100	0.021	4.50	3.85	20
SDNR8040-6R8MC	6.8 ± 20%	100	0.024	4.35	3.60	20
SDNR8040-8R2MC	8.2 ± 20%	100	0.026	4.20	3.45	17
SDNR8040-100MC	10 ± 20%	100	0.029	3.60	3.30	15
SDNR8040-120MC	12 ± 20%	100	0.041	3.50	2.80	13
SDNR8040-150MC	15 ± 20%	100	0.047	2.95	2.60	12
SDNR8040-180MC	18 ± 20%	100	0.053	2.70	2.40	11
SDNR8040-220MC	22 ± 20%	100	0.069	2.40	2.10	9.5
SDNR8040-270MC	27 ± 20%	100	0.078	2.15	2.00	9.2
SDNR8040-330MC	33 ± 20%	100	0.097	2.05	1.80	7.8

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R $\pm$ 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR8040-360MC	36 $\pm$ 20%	100	0.102	2.00	1.75	7.8
SDNR8040-390MC	39 $\pm$ 20%	100	0.107	1.95	1.70	7.8
SDNR8040-430MC	43 $\pm$ 20%	100	0.113	1.90	1.65	7.8
SDNR8040-470MC	47 $\pm$ 20%	100	0.136	1.75	1.55	6.4
SDNR8040-510MC	51 $\pm$ 20%	100	0.142	1.70	1.50	6.4
SDNR8040-560MC	56 $\pm$ 20%	100	0.148	1.55	1.45	6.4
SDNR8040-620MC	62 $\pm$ 20%	100	0.182	1.50	1.30	6.4
SDNR8040-680MC	68 $\pm$ 20%	100	0.196	1.45	1.25	4.9
SDNR8040-750MC	75 $\pm$ 20%	100	0.211	1.35	1.20	4.9
SDNR8040-820MC	82 $\pm$ 20%	100	0.225	1.30	1.15	4.9
SDNR8040-910MC	91 $\pm$ 20%	100	0.272	1.20	1.05	4.9
SDNR8040-101MC	100 $\pm$ 20%	100	0.290	1.15	1.00	4.2
SDNR8040-121MC	120 $\pm$ 20%	100	0.334	1.05	0.95	3.5
SDNR8040-151MC	150 $\pm$ 20%	100	0.410	1.10	0.85	3.5
SDNR8040-181MC	180 $\pm$ 20%	100	0.520	0.95	0.83	3.5
SDNR8040-221MC	220 $\pm$ 20%	100	0.599	0.85	0.80	3.5
SDNR8040-331MC	330 $\pm$ 20%	100	0.889	0.68	0.64	2.8
SDNR8040-471MC	470 $\pm$ 20%	100	1.260	0.60	0.50	2.1
SDNR8040-681MC	680 $\pm$ 20%	100	2.040	0.50	0.45	1.7
SDNR8040-102MC	1,000 $\pm$ 20%	100	2.800	0.40	0.35	1.4
SDNR8040-152MC	1,500 $\pm$ 20%	100	5.000	0.32	0.26	1.0

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

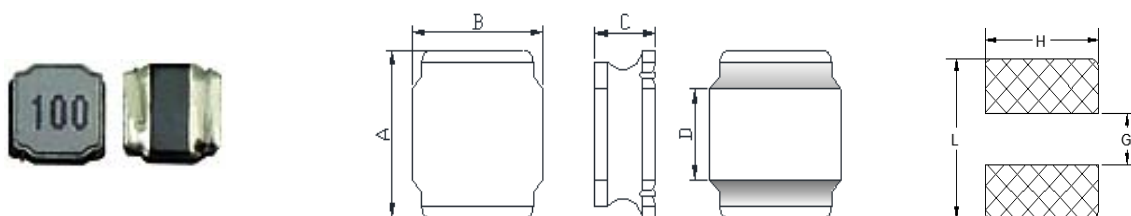
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	L	G	H	
SDNR10D50	10.0 ± 0.3	10.0 ± 0.3	5.0 max.	6.4 ± 0.2	10.2 ref.	6.2 ref.	5.5 ref.	

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR10D50-R90NC	1.0 ± 30%	100	0.040	2.70	2.20	180
SDNR10D50-R91NC	1.2 ± 30%	100	0.045	2.50	1.70	137

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

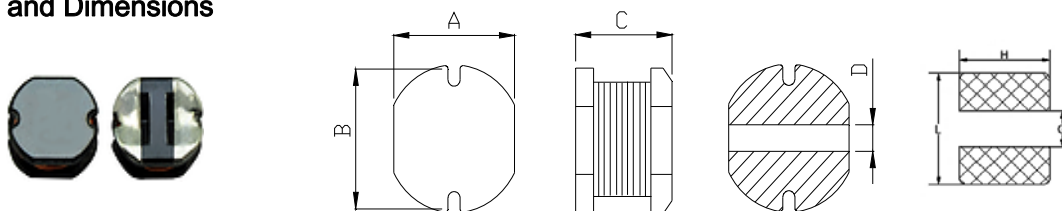
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	L	G	H
SD32	3.0 ± 0.3	3.5 ± 0.3	2.1 ± 0.3	1.0	3.9	1.0	3.2

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD32-2R2MC	2.2 ± 20%	100	0.080	1.80
SD32-2R7MC	2.7 ± 20%	100	0.110	1.70
SD32-3R3MC	3.3 ± 20%	100	0.130	1.60
SD32-4R7MC	4.7 ± 20%	100	0.170	1.50
SD32-5R6MC	5.6 ± 20%	100	0.185	1.20
SD32-6R8MC	6.8 ± 20%	100	0.200	1.05
SD32-8R2MC	8.2 ± 20%	100	0.220	0.90
SD32-100MC	10 ± 20%	100	0.230	0.76
SD32-120MC	12 ± 20%	100	0.270	0.68
SD32-150MC	15 ± 20%	100	0.310	0.63
SD32-180MC	18 ± 20%	100	0.410	0.52
SD32-220MC	22 ± 20%	100	0.470	0.50
SD32-270MC	27 ± 20%	100	0.660	0.40
SD32-330MC	33 ± 20%	100	0.760	0.38
SD32-390MC	39 ± 20%	100	0.850	0.35
SD32-470MC	47 ± 20%	100	0.970	0.33
SD32-560MC	56 ± 20%	100	1.250	0.29
SD32-680MC	68 ± 20%	100	1.450	0.27
SD32-820MC	82 ± 20%	100	1.850	0.23
SD32-101KC	100 ± 10%	100	2.200	0.22
SD32-121KC	120 ± 10%	100	2.900	0.18
SD32-151KC	150 ± 10%	100	3.400	0.17
SD32-181KC	180 ± 10%	100	3.900	0.16
SD32-221KC	220 ± 10%	100	4.500	0.15
SD32-271KC	270 ± 10%	100	6.000	0.13
SD32-331KC	330 ± 10%	100	7.000	0.12
SD32-391KC	390 ± 10%	100	7.800	0.11

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

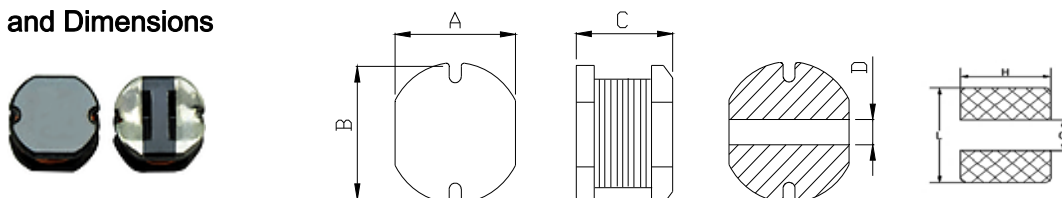
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	L	G	H
SD43	4.0 ± 0.3	4.5 ± 0.3	3.2 ± 0.3	1.4	5.0	1.2	4.5

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD43-1R0MC	1.0 ± 20%	100	0.033	3.80
SD43-1R5MC	1.5 ± 20%	100	0.038	3.30
SD43-1R8MC	1.8 ± 20%	100	0.042	2.91
SD43-2R2MC	2.2 ± 20%	100	0.047	2.60
SD43-2R7MC	2.7 ± 20%	100	0.052	2.43
SD43-3R3MC	3.3 ± 20%	100	0.058	2.15
SD43-3R9MC	3.9 ± 20%	100	0.076	1.98
SD43-4R7MC	4.7 ± 20%	100	0.094	1.70
SD43-5R6MC	5.6 ± 20%	100	0.101	1.60
SD43-6R8MC	6.8 ± 20%	100	0.117	1.41
SD43-8R2MC	8.2 ± 20%	100	0.132	1.26
SD43-100MC	10 ± 20%	100	0.182	1.15
SD43-120MC	12 ± 20%	100	0.210	1.05
SD43-150MC	15 ± 20%	100	0.235	0.92
SD43-180MC	18 ± 20%	100	0.338	0.84
SD43-220MC	22 ± 20%	100	0.378	0.76
SD43-270MC	27 ± 20%	100	0.522	0.71
SD43-330MC	33 ± 20%	100	0.540	0.64
SD43-390MC	39 ± 20%	100	0.587	0.59
SD43-470MC	47 ± 20%	100	0.844	0.54
SD43-560MC	56 ± 20%	100	0.937	0.50
SD43-680MC	68 ± 20%	100	1.117	0.46
SD43-820MC	82 ± 20%	100	1.345	0.45
SD43-101KC	100 ± 10%	100	1.520	0.44
SD43-121KC	120 ± 10%	100	1.800	0.43
SD43-151KC	150 ± 10%	100	2.000	0.42
SD43-181KC	180 ± 10%	100	3.200	0.38
SD43-221KC	220 ± 10%	100	3.400	0.36
SD43-271KC	270 ± 10%	100	3.900	0.34
SD43-331KC	330 ± 10%	100	5.300	0.28
SD43-391KC	390 ± 10%	100	5.900	0.24
SD43-471KC	470 ± 10%	100	6.800	0.21
SD43-561KC	560 ± 10%	100	8.500	0.20
SD43-681KC	680 ± 10%	100	10.000	0.18
SD43-821KC	820 ± 10%	100	13.400	0.15
SD43-102KC	1,000 ± 10%	100	15.600	0.14

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

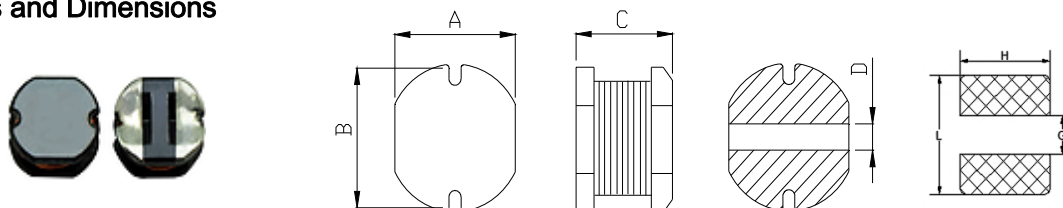
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	L	G	H
SD54	5.2 ± 0.3	5.8 ± 0.3	4.5 ± 0.3	1.6	6.5	1.5	5.5

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD54-1R0MC	1.0 ± 20%	100	0.015	5.90
SD54-1R2MC	1.2 ± 20%	100	0.020	5.20
SD54-1R5MC	1.5 ± 20%	100	0.025	4.70
SD54-1R8MC	1.8 ± 20%	100	0.030	4.00
SD54-2R2MC	2.2 ± 20%	100	0.035	3.80
SD54-2R7MC	2.7 ± 20%	100	0.040	3.40
SD54-3R3MC	3.3 ± 20%	100	0.045	3.30
SD54-3R9MC	3.9 ± 20%	100	0.050	2.90
SD54-4R7MC	4.7 ± 20%	100	0.060	2.80
SD54-5R6MC	5.6 ± 20%	100	0.070	2.40
SD54-6R8MC	6.8 ± 20%	100	0.080	2.10
SD54-8R2MC	8.2 ± 20%	100	0.090	2.00
SD54-100MC	10 ± 20%	100	0.100	1.44
SD54-120MC	12 ± 20%	100	0.120	1.40
SD54-150MC	15 ± 20%	100	0.140	1.30
SD54-180MC	18 ± 20%	100	0.150	1.23
SD54-220MC	22 ± 20%	100	0.180	1.11
SD54-270MC	27 ± 20%	100	0.200	0.97
SD54-330MC	33 ± 20%	100	0.230	0.88
SD54-390MC	39 ± 20%	100	0.320	0.80
SD54-470MC	47 ± 20%	100	0.370	0.72
SD54-560MC	56 ± 20%	100	0.420	0.68
SD54-680MC	68 ± 20%	100	0.460	0.61
SD54-820MC	82 ± 20%	100	0.600	0.58
SD54-101KC	100 ± 10%	100	0.700	0.52
SD54-121KC	120 ± 10%	100	0.930	0.48
SD54-151KC	150 ± 10%	100	1.100	0.40
SD54-181KC	180 ± 10%	100	1.380	0.38
SD54-221KC	220 ± 10%	100	1.570	0.35
SD54-271KC	270 ± 10%	100	1.650	0.32
SD54-331KC	330 ± 10%	100	1.700	0.28
SD54-391KC	390 ± 10%	100	1.800	0.26
SD54-471KC	470 ± 10%	100	2.300	0.23
SD54-561KC	560 ± 10%	100	2.500	0.20
SD54-681KC	680 ± 10%	100	3.000	0.19
SD54-821KC	820 ± 10%	100	4.500	0.16
SD54-102KC	1,000 ± 10%	100	4.800	0.14

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

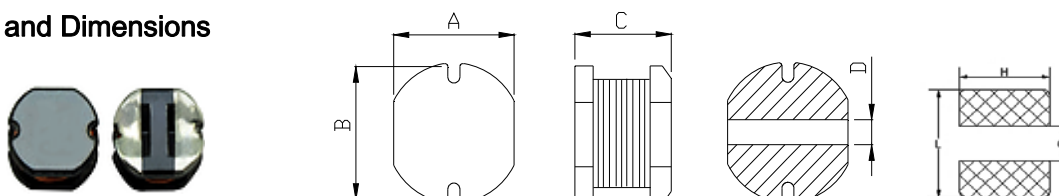
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H
SD75	7.0 ± 0.3	7.8 ± 0.3	5.0 ± 0.3	2.4	9.2	2.1	7.5

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD75-1R0MC	1.0 ± 20%	100	0.030	11.20
SD75-1R2MC	1.2 ± 20%	100	0.030	9.87
SD75-1R5MC	1.5 ± 20%	100	0.040	8.35
SD75-1R8MC	1.8 ± 20%	100	0.040	7.12
SD75-2R2MC	2.2 ± 20%	100	0.050	6.52
SD75-2R7MC	2.7 ± 20%	100	0.060	6.06
SD75-3R3MC	3.3 ± 20%	100	0.060	5.26
SD75-3R9MC	3.9 ± 20%	100	0.060	4.68
SD75-4R7MC	4.7 ± 20%	100	0.070	4.54
SD75-5R6MC	5.6 ± 20%	100	0.070	4.25
SD75-6R8MC	6.8 ± 20%	100	0.070	3.45
SD75-8R2MC	8.2 ± 20%	100	0.070	3.10
SD75-100MC	10 ± 20%	100	0.070	2.30
SD75-120MC	12 ± 20%	100	0.080	2.00
SD75-150MC	15 ± 20%	100	0.090	1.80
SD75-180MC	18 ± 20%	100	0.100	1.60
SD75-220MC	22 ± 20%	100	0.110	1.50
SD75-270MC	27 ± 20%	100	0.120	1.30
SD75-330MC	33 ± 20%	100	0.130	1.20
SD75-390MC	39 ± 20%	100	0.160	1.10
SD75-470MC	47 ± 20%	100	0.180	1.10
SD75-560MC	56 ± 20%	100	0.240	0.94
SD75-680MC	68 ± 20%	100	0.280	0.85
SD75-820MC	82 ± 20%	100	0.370	0.78
SD75-101KC	100 ± 10%	100	0.430	0.72
SD75-121KC	120 ± 10%	100	0.470	0.66
SD75-151KC	150 ± 10%	100	0.640	0.58
SD75-181KC	180 ± 10%	100	0.710	0.51
SD75-221KC	220 ± 10%	100	0.960	0.49
SD75-271KC	270 ± 10%	100	1.110	0.42
SD75-331KC	330 ± 10%	100	1.260	0.40
SD75-391KC	390 ± 10%	100	1.770	0.36
SD75-471KC	470 ± 10%	100	1.960	0.34
SD75-561KC	560 ± 10%	100	2.000	0.33
SD75-681KC	680 ± 10%	100	2.200	0.32
SD75-821KC	820 ± 10%	100	2.900	0.25
SD75-102KC	1,000 ± 10%	100	3.600	0.23

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

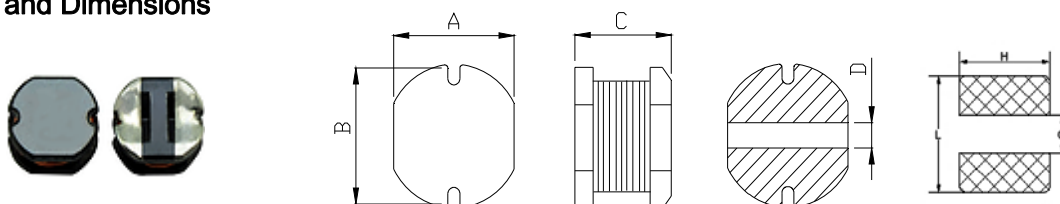
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	L	G	H
SD104	9.0 ± 0.3	10.0 ± 0.3	4.0 ± 0.3	2.9	11.0	2.5	9.5

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD104-1R0MC	1.0 ± 20%	100	0.008	9.00
SD104-1R5MC	1.5 ± 20%	100	0.010	8.00
SD104-2R2MC	2.2 ± 20%	100	0.013	6.20
SD104-2R7MC	2.7 ± 20%	100	0.014	5.60
SD104-3R9MC	3.9 ± 20%	100	0.020	5.00
SD104-4R7MC	4.7 ± 20%	100	0.022	4.50
SD104-5R6MC	5.6 ± 20%	100	0.025	3.80
SD104-6R8MC	6.8 ± 20%	100	0.030	3.00
SD104-8R2MC	8.2 ± 20%	100	0.040	2.60
SD104-100MC	10 ± 20%	100	0.053	2.38
SD104-120MC	12 ± 20%	100	0.061	2.13
SD104-150MC	15 ± 20%	100	0.070	1.87
SD104-180MC	18 ± 20%	100	0.081	1.73
SD104-220MC	22 ± 20%	100	0.088	1.60
SD104-270MC	27 ± 20%	100	0.100	1.44
SD104-330MC	33 ± 20%	100	0.120	1.26
SD104-390MC	39 ± 20%	100	0.151	1.20
SD104-470MC	47 ± 20%	100	0.170	1.10
SD104-560MC	56 ± 20%	100	0.199	1.01
SD104-680MC	68 ± 20%	100	0.223	0.91
SD104-820MC	82 ± 20%	100	0.252	0.85
SD104-101KC	100 ± 10%	100	0.344	0.74
SD104-121KC	120 ± 10%	100	0.394	0.69
SD104-151KC	150 ± 10%	100	0.544	0.61
SD104-181KC	180 ± 10%	100	0.621	0.56
SD104-221KC	220 ± 10%	100	0.721	0.53
SD104-271KC	270 ± 10%	100	0.949	0.45
SD104-331KC	330 ± 10%	100	1.100	0.42
SD104-391KC	390 ± 10%	100	1.245	0.38
SD104-471KC	470 ± 10%	100	1.526	0.35
SD104-561KC	560 ± 10%	100	1.904	0.32
SD104-681KC	680 ± 10%	100	2.200	0.30
SD104-821KC	820 ± 10%	100	2.600	0.28
SD104-102KC	1,000 ± 10%	100	3.000	0.26

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

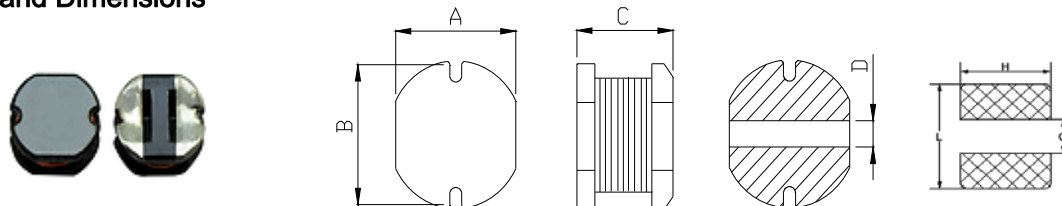
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	L	G	H
SD105	9.0 ± 0.3	10.0 ± 0.3	5.4 ± 0.3	2.9	11.0	2.5	9.5

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD105-2R2MC	2.2 ± 20%	100	0.013	7.50
SD105-3R3MC	3.3 ± 20%	100	0.015	6.50
SD105-4R7MC	4.7 ± 20%	100	0.020	5.50
SD105-5R6MC	5.6 ± 20%	100	0.025	5.00
SD105-6R8MC	6.8 ± 20%	100	0.030	4.20
SD105-8R2MC	8.2 ± 20%	100	0.050	3.50
SD105-100MC	10 ± 20%	100	0.060	2.60
SD105-120MC	12 ± 20%	100	0.070	2.45
SD105-150MC	15 ± 20%	100	0.080	2.27
SD105-180MC	18 ± 20%	100	0.090	2.15
SD105-220MC	22 ± 20%	100	0.100	1.95
SD105-270MC	27 ± 20%	100	0.110	1.76
SD105-330MC	33 ± 20%	100	0.120	1.50
SD105-390MC	39 ± 20%	100	0.140	1.37
SD105-470MC	47 ± 20%	100	0.170	1.28
SD105-560MC	56 ± 20%	100	0.190	1.17
SD105-680MC	68 ± 20%	100	0.220	1.11
SD105-820MC	82 ± 20%	100	0.250	1.00
SD105-101KC	100 ± 10%	100	0.350	0.97
SD105-121KC	120 ± 10%	100	0.400	0.89
SD105-151KC	150 ± 10%	100	0.470	0.78
SD105-181KC	180 ± 10%	100	0.630	0.72
SD105-221KC	220 ± 10%	100	0.730	0.66
SD105-271KC	270 ± 10%	100	0.970	0.57
SD105-331KC	330 ± 10%	100	1.150	0.52
SD105-391KC	390 ± 10%	100	1.300	0.48
SD105-471KC	470 ± 10%	100	1.480	0.42
SD105-561KC	560 ± 10%	100	1.900	0.33
SD105-681KC	680 ± 10%	100	2.250	0.37
SD105-821KC	820 ± 10%	100	2.550	0.35
SD105-102KC	1,000 ± 10%	100	2.700	0.32

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

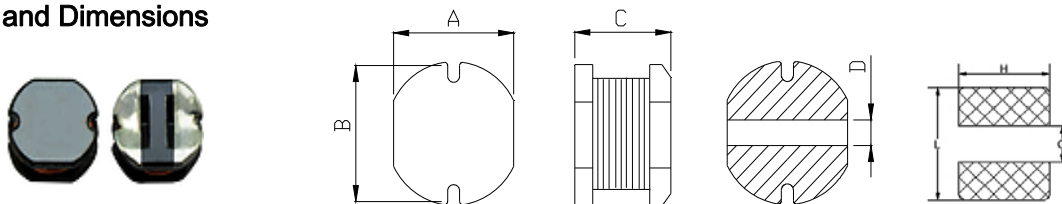
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	L	G	H
SD137	13.0 ± 0.3	13.0 ± 0.3	7.0 ± 0.3	5.0	15.0	4.5	13.7

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD137-1R5MC	1.5 ± 20%	100	0.006	9.70
SD137-2R2MC	2.2 ± 20%	100	0.007	9.20
SD137-2R7MC	2.7 ± 20%	100	0.008	8.40
SD137-3R3MC	3.3 ± 20%	100	0.009	7.70
SD137-4R7MC	4.7 ± 20%	100	0.010	7.20
SD137-5R6MC	5.6 ± 20%	100	0.015	6.70
SD137-6R8MC	6.8 ± 20%	100	0.017	6.20
SD137-8R2MC	8.2 ± 20%	100	0.019	6.00
SD137-100MC	10 ± 20%	100	0.021	5.80
SD137-120MC	12 ± 20%	100	0.030	5.10
SD137-150MC	15 ± 20%	100	0.034	4.70
SD137-180MC	18 ± 20%	100	0.036	4.40
SD137-220MC	22 ± 20%	100	0.047	3.80
SD137-270MC	27 ± 20%	100	0.060	3.50
SD137-330MC	33 ± 20%	100	0.065	3.20
SD137-390MC	39 ± 20%	100	0.075	3.00
SD137-470MC	47 ± 20%	100	0.082	2.80
SD137-560MC	56 ± 20%	100	0.095	2.60
SD137-680MC	68 ± 20%	100	0.120	2.40
SD137-820MC	82 ± 20%	100	0.140	2.20
SD137-101KC	100 ± 10%	100	0.180	2.00
SD137-121KC	120 ± 10%	100	0.210	1.80
SD137-151KC	150 ± 10%	100	0.250	1.60
SD137-181KC	180 ± 10%	100	0.280	1.50
SD137-221KC	220 ± 10%	100	0.360	1.30
SD137-271KC	270 ± 10%	100	0.410	1.20
SD137-331KC	330 ± 10%	100	0.520	1.10
SD137-391KC	390 ± 10%	100	0.600	1.00
SD137-471KC	470 ± 10%	100	0.720	0.90
SD137-561KC	560 ± 10%	100	0.880	0.85
SD137-681KC	680 ± 10%	100	1.000	0.80
SD137-821KC	820 ± 10%	100	1.300	0.75
SD137-102KC	1,000 ± 10%	100	1.600	0.65

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

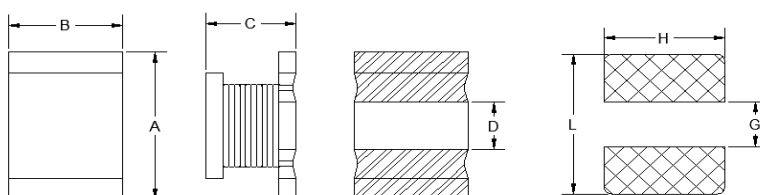
Features

- Non-Shielded magnetic circuit design.
- High current design.
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SEQ2015	2.0 ± 0.2	1.5 ± 0.2	1.7 ± 0.2	0.8	3.0	0.8	1.7	

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ2015-1R0MC	$1.0 \pm 20\%$	7.96 M	0.106	2.25
SEQ2015-2R2MC	$2.2 \pm 20\%$	7.96 M	0.126	2.02
SEQ2015-4R7MC	$4.7 \pm 20\%$	7.96 M	0.140	1.75
SEQ2015-100KC	$10.0 \pm 10\%$	2.52 M	0.162	1.64
SEQ2015-220KC	$22.0 \pm 10\%$	2.52 M	0.186	1.51

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

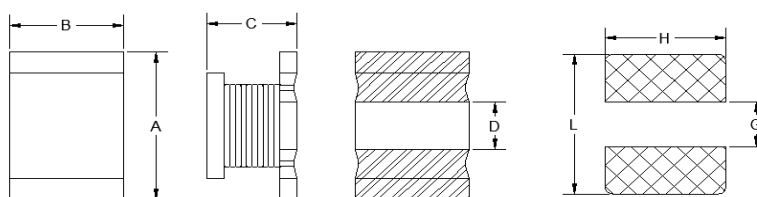
Features

- Non-Shielded magnetic circuit design.
- High current design.
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SEQ2520	2.5 ± 0.2	2.0 ± 0.2	1.8 ± 0.2	1.0	3.9	1.0	2.2	

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ2520-1R0MC	1.0 ± 20%	7.96 M	0.442	0.48
SEQ2520-1R5MC	1.5 ± 20%	7.96 M	0.546	0.44
SEQ2520-2R2MC	2.2 ± 20%	7.96 M	0.650	0.39
SEQ2520-3R3MC	3.3 ± 20%	7.96 M	0.845	0.34
SEQ2520-4R7MC	4.7 ± 20%	7.96 M	1.040	0.29
SEQ2520-6R8MC	6.8 ± 20%	7.96 M	1.300	0.28
SEQ2520-100KC	10.0 ± 10%	2.52 M	2.197	0.21
SEQ2520-150KC	15.0 ± 10%	2.52 M	2.860	0.18
SEQ2520-220KC	22.0 ± 10%	2.52 M	3.640	0.16
SEQ2520-330KC	33.0 ± 10%	2.52 M	5.460	0.12

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

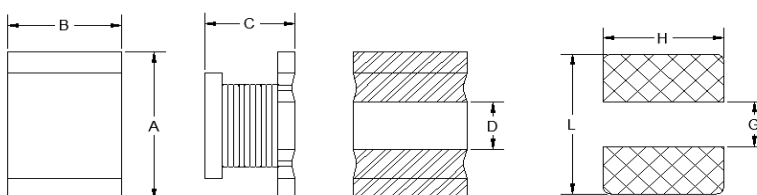
Features

- Non-Shielded magnetic circuit design.
- High current design.
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SEQ3216	3.2 ± 0.3	1.6 ± 0.3	1.8 ± 0.3	1.2	4.4	1.2	1.8	

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ3216-R12MC	$0.12 \pm 20\%$	1.0 M	0.112	0.97
SEQ3216-R22MC	$0.22 \pm 20\%$	1.0 M	0.140	0.85
SEQ3216-R47MC	$0.47 \pm 20\%$	1.0 M	0.210	0.70
SEQ3216-1R0MC	$1.0 \pm 20\%$	1.0 M	0.364	0.51
SEQ3216-2R2MC	$2.2 \pm 20\%$	1.0 M	0.533	0.43
SEQ3216-4R7MC	$4.7 \pm 20\%$	1.0 M	0.845	0.34
SEQ3216-100KC	$10.0 \pm 10\%$	1.0 M	1.690	0.23
SEQ3216-220KC	$22.0 \pm 10\%$	1.0 M	3.900	0.16
SEQ3216-470KC	$47.0 \pm 10\%$	1.0 M	10.400	0.10
SEQ3216-101KC	$100.0 \pm 10\%$	1.0 M	15.600	0.08

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

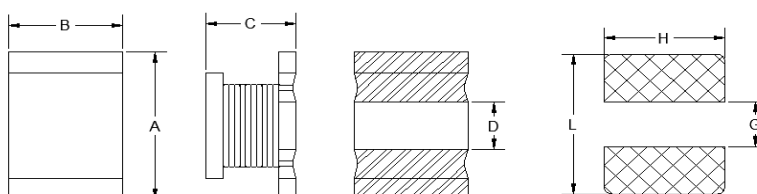
Features

- Non-Shielded magnetic circuit design.
- High current design.
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SEQ3225	3.2 ± 0.3	2.5 ± 0.3	2.2 ± 0.3	1.2	4.4	1.2	2.7	

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ3225-1R0MC	$1.0 \pm 20\%$	1.0 M	0.117	0.80
SEQ3225-2R2MC	$2.2 \pm 20\%$	1.0 M	0.169	0.60
SEQ3225-4R7MC	$4.7 \pm 20\%$	1.0 M	0.260	0.45
SEQ3225-100KC	$10 \pm 10\%$	1.0 M	0.572	0.30
SEQ3225-220KC	$22 \pm 10\%$	1.0 M	0.923	0.25
SEQ3225-470KC	$47 \pm 10\%$	1.0 M	1.690	0.17
SEQ3225-101KC	$100 \pm 10\%$	1.0 M	4.550	0.10
SEQ3225-221KC	$220 \pm 10\%$	1.0 M	10.920	0.07
SEQ3225-331KC	$330 \pm 10\%$	1.0 M	13.000	0.06
SEQ3225-391KC	$390 \pm 10\%$	1.0 M	22.100	0.06
SEQ3225-471KC	$470 \pm 10\%$	1.0 K	24.700	0.06
SEQ3225-561KC	$560 \pm 10\%$	1.0 K	28.600	0.06

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

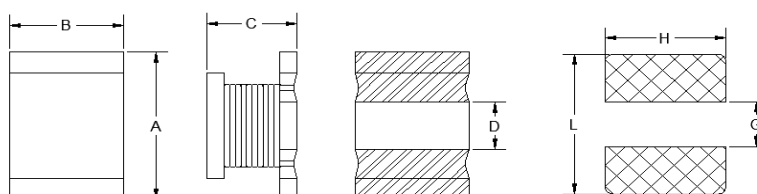
Features

- Non-Shielded magnetic circuit design.
- High current design.
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SEQ4532	4.5 ± 0.3	3.2 ± 0.3	2.6 ± 0.3	1.5	5.9	1.3	3.5	

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ4532-4R7MC	4.7 ± 20%	1.0 M	0.150	0.75
SEQ4532-6R8MC	6.8 ± 20%	1.0 M	0.200	0.72
SEQ4532-100KC	10 ± 10%	1.0 M	0.240	0.66
SEQ4532-150KC	15 ± 10%	1.0 M	0.320	0.57
SEQ4532-220KC	22 ± 10%	1.0 M	0.600	0.42
SEQ4532-330KC	33 ± 10%	1.0 M	1.000	0.31
SEQ4532-470KC	47 ± 10%	1.0 M	1.100	0.28
SEQ4532-680KC	68 ± 10%	1.0 M	1.700	0.22
SEQ4532-101KC	100 ± 10%	1.0 M	2.200	0.19
SEQ4532-151KC	150 ± 10%	1.0 M	3.500	0.13
SEQ4532-221KC	220 ± 10%	1.0 M	4.000	0.11
SEQ4532-331KC	330 ± 10%	1.0 M	6.800	0.10
SEQ4532-561KC	470 ± 10%	1.0 K	8.500	0.09

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

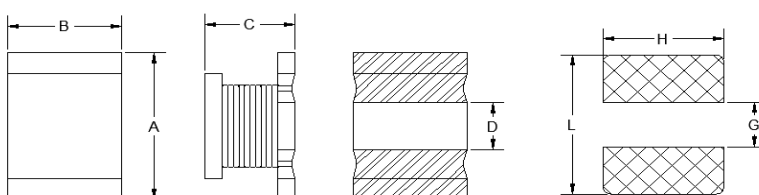
Features

- Non-Shielded magnetic circuit design.
- High current design.
- Take up less PCS real estate and save more power.

Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H	
SEQ5750	5.7 ± 0.3	5.0 ± 0.3	4.5 ± 0.3	2.1	7.5	2.0	5.5	

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ5750-1R0MC	$1.0 \pm 20\%$	1.0 M	0.020	9.00
SEQ5750-1R2MC	$1.2 \pm 20\%$	1.0 M	0.024	8.81
SEQ5750-1R5MC	$1.5 \pm 20\%$	1.0 M	0.028	7.80
SEQ5750-1R8MC	$1.8 \pm 20\%$	1.0 M	0.032	7.08
SEQ5750-2R2MC	$2.2 \pm 20\%$	1.0 M	0.035	6.54
SEQ5750-2R7MC	$2.7 \pm 20\%$	1.0 M	0.045	5.83
SEQ5750-3R3MC	$3.3 \pm 20\%$	1.0 M	0.054	5.48
SEQ5750-3R9MC	$3.9 \pm 20\%$	1.0 M	0.056	5.27
SEQ5750-4R7MC	$4.7 \pm 20\%$	1.0 M	0.081	4.48
SEQ5750-5R6MC	$5.6 \pm 20\%$	1.0 M	0.100	3.91
SEQ5750-6R8MC	$6.8 \pm 20\%$	1.0 M	0.124	3.57
SEQ5750-8R2MC	$8.2 \pm 20\%$	1.0 M	0.150	3.28
SEQ5750-100MC	$10 \pm 20\%$	1.0 M	0.167	3.06
SEQ5750-120MC	$12 \pm 20\%$	1.0 M	0.190	2.95
SEQ5750-150MC	$15 \pm 20\%$	1.0 M	0.215	2.63
SEQ5750-180MC	$18 \pm 20\%$	1.0 M	0.256	2.46
SEQ5750-220MC	$22 \pm 20\%$	1.0 M	0.322	2.21
SEQ5750-270MC	$27 \pm 20\%$	1.0 M	0.389	1.78
SEQ5750-330MC	$33 \pm 20\%$	1.0 M	0.448	1.75
SEQ5750-390MC	$39 \pm 20\%$	1.0 M	0.486	1.70
SEQ5750-470MC	$47 \pm 20\%$	1.0 M	0.586	1.50
SEQ5750-560MC	$56 \pm 20\%$	1.0 M	0.725	1.45
SEQ5750-680MC	$68 \pm 20\%$	1.0 M	0.806	1.30
SEQ5750-820MC	$82 \pm 20\%$	1.0 M	0.990	1.15

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	Rated Current (A)
SEQ5750-101KC	100 ± 10%	1.0 M	1.100	1.05
SEQ5750-121KC	120 ± 10%	1.0 M	1.388	0.97
SEQ5750-151KC	150 ± 10%	1.0 M	1.575	0.97
SEQ5750-181KC	180 ± 10%	1.0 M	2.000	0.84
SEQ5750-221KC	220 ± 10%	1.0 M	2.550	0.72
SEQ5750-271KC	270 ± 10%	1.0 M	2.853	0.67
SEQ5750-331KC	330 ± 10%	1.0 M	3.600	0.60
SEQ5750-391KC	390 ± 10%	1.0 M	4.000	0.55

NOTES:

Rated Current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

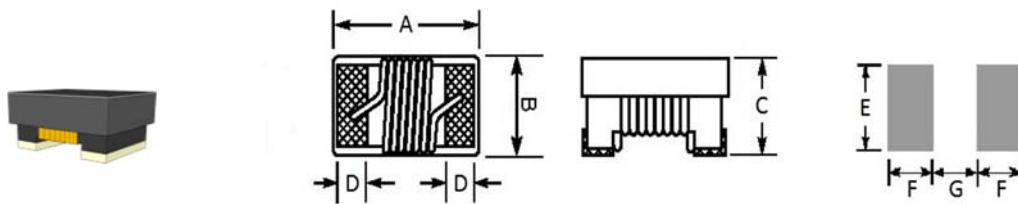
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	
CWCI1005	1.20 ± 0.10	0.60 ± 0.10	0.60 ± 0.10	0.23 ± 0.05	0.64 ± 0.05	0.40 ± 0.05	0.64 ± 0.05	

Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWCI1005-1N0	1.0	J (±5%)	250	16	0.045	1360	>6000
CWCI1005-2N0	2.0		250	16	0.070	1040	>6000
CWCI1005-2N2	2.2		250	19	0.070	960	>6000
CWCI1005-3N3	3.3		250	19	0.066	840	6000
CWCI1005-3N6	3.6		250	19	0.066	840	6000
CWCI1005-3N9	3.9		250	19	0.066	840	5800
CWCI1005-5N1	5.1	K (±10%)	250	20	0.083	800	5800
CWCI1005-5N6	5.6		250	20	0.083	760	5800
CWCI1005-6N2	6.2	L (±15%)	250	20	0.083	760	5800
CWCI1005-7N5	7.5		250	22	0.104	680	5800
CWCI1005-8N2	8.2	M (±20%)	250	22	0.104	680	4400
CWCI1005-9N0	9.0		250	22	0.104	680	4160
CWCI1005-011	11.0	P (±25%)	250	24	0.120	640	3680
CWCI1005-012	12.0		250	24	0.120	640	3600
CWCI1005-015	15.0	N (±30%)	250	24	0.172	560	3280
CWCI1005-019	19.0		250	24	0.202	480	3040
CWCI1005-023	23.0		250	24	0.214	400	2720
CWCI1005-027	27.0		250	24	0.298	400	2480
CWCI1005-036	36.0		250	24	0.403	320	2320
CWCI1005-040	40.0		250	24	0.438	320	2240

NOTES:

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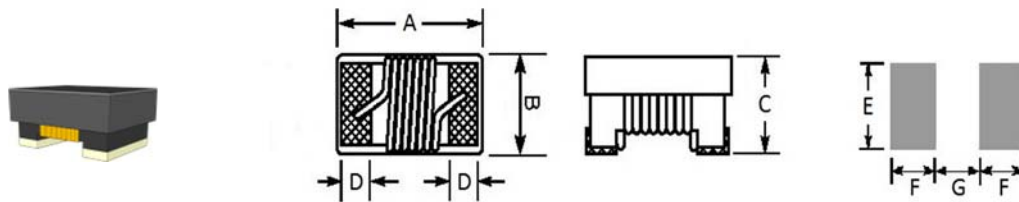
Features

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- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
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-

Applications

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Shapes and Dimensions



Type	A	B	C	D	E	F	G	
CWC1608	1.68 ± 0.10	1.00 ± 0.10	0.85 ± 0.10	0.30 ± 0.05	1.02 ± 0.10	0.64 ± 0.05	0.64 ± 0.05	

Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWC1608-1N6	1.6	J (±5%) K (±10%) L (±15%) M (±20%) P (±25%) N (±30%)	250	24	0.030	700	12500
CWC1608-1N8	1.8		250	16	0.045	700	12500
CWC1608-3N6	3.6		250	22	0.075	700	5900
CWC1608-3N9	3.9		250	22	0.080	700	6900
CWC1608-4N3	4.3		250	22	0.075	700	5900
CWC1608-4N7	4.7		250	20	0.116	700	5800
CWC1608-5N1	5.1		250	20	0.120	700	5700
CWC1608-6N8	6.8		250	27	0.110	700	5800
CWC1608-7N5	7.5		250	28	0.110	700	4800
CWC1608-8N7	8.7		250	28	0.120	700	4600
CWC1608-9N5	9.5		250	28	0.135	700	5400
CWC1608-010	10.0		250	31	0.130	700	4800
CWC1608-011	11.0		250	33	0.130	700	4000
CWC1608-012	12.0		250	35	0.130	700	4000
CWC1608-015	15.0		250	35	0.150	700	4000
CWC1608-016	16.0		250	34	0.160	700	3300
CWC1608-018	18.0		250	35	0.170	700	3100
CWC1608-022	22.0		250	38	0.190	700	3000
CWC1608-024	24.0		250	37	0.200	700	2650
CWC1608-027	27.0		250	40	0.220	600	2800
CWC1608-030	30.0		250	37	0.220	600	2250
CWC1608-033	33.0		250	40	0.220	600	2300

NOTES:

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Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWCI1608-036	36	J ($\pm 5\%$)	250	38	0.250	600	2080
CWCI1608-039	39		250	40	0.250	600	2200
CWCI1608-043	43		250	39	0.280	600	2000
CWCI1608-047	47		200	38	0.280	600	2000
CWCI1608-056	56		200	38	0.280	600	1900
CWCI1608-068	68	K ($\pm 10\%$)	200	37	0.340	600	1700
CWCI1608-072	72		150	34	0.380	400	1700
CWCI1608-082	82	L ($\pm 15\%$)	150	34	0.480	400	1700
CWCI1608-R10	100		150	34	0.580	400	1400
CWCI1608-R11	110	M ($\pm 20\%$)	150	32	0.610	300	1350
CWCI1608-R12	120		150	32	0.650	300	1300
CWCI1608-R15	150	P ($\pm 25\%$)	150	28	0.750	280	990
CWCI1608-R18	180		100	25	1.050	240	990
CWCI1608-R22	220	N ($\pm 30\%$)	100	25	1.200	200	900
CWCI1608-R24	240		100	24	1.400	170	900
CWCI1608-R33	330		100	24	1.600	160	850
CWCI1608-R39	390		100	24	2.200	150	800

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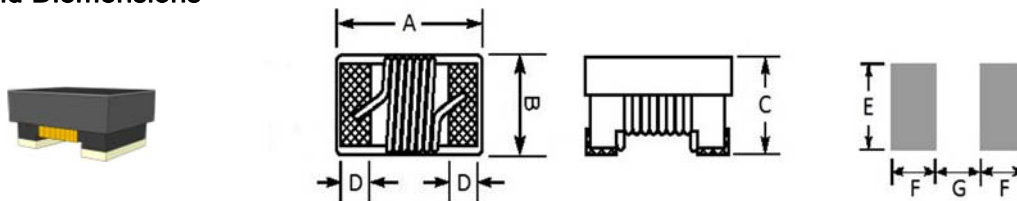
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	
CWCI2012	2.20 ± 0.10	1.60 ± 0.10	1.30 ± 0.10	0.50 ± 0.07	1.78 ± 0.10	1.02 ± 0.05	0.76 ± 0.05	

Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWCI2012-2N2	2.2	J (±5%)	1500	50	0.030	800	8500
CWCI2012-2N7	2.7		1500	50	0.045	800	8000
CWCI2012-3N3	3.3		1500	50	0.090	600	7900
CWCI2012-5N6	5.6		1000	65	0.065	600	5500
CWCI2012-6N8	6.8	K (±10%)	1000	50	0.110	600	5500
CWCI2012-8N2	8.2		1000	50	0.120	600	4700
CWCI2012-010	10.0		500	60	0.150	600	4200
CWCI2012-012	12.0		500	50	0.150	600	4000
CWCI2012-015	15.0	L (±15%)	500	50	0.170	600	3400
CWCI2012-018	18.0		500	50	0.200	600	3300
CWCI2012-022	22.0		500	55	0.220	500	2600
CWCI2012-027	27.0		500	55	0.250	500	2500
CWCI2012-033	33.0	M (±20%)	500	60	0.270	500	2050
CWCI2012-039	39.0		500	60	0.290	500	2000
CWCI2012-047	47.0		500	60	0.310	500	1650
CWCI2012-056	56.0		500	60	0.340	500	1550
CWCI2012-062	62.0	P (±25%)	500	60	0.380	500	1500
CWCI2012-068	68.0		500	60	0.380	500	1450
CWCI2012-082	82.0		500	65	0.420	400	1300
CWCI2012-R10	100.0		500	65	0.460	400	1200
CWCI2012-R12	120.0	N (±30%)	250	50	0.510	400	1100
CWCI2012-R15	150.0		250	50	0.560	400	920

NOTES:

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Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWCi2012-R18	180	J (±5%)	250	50	0.640	400	870
CWCi2012-R20	200		250	50	1.000	400	850
CWCi2012-R22	220		250	50	1.050	400	850
CWCi2012-R27	270		250	48	1.100	350	650
CWCi2012-R33	330		250	48	1.400	310	600
CWCi2012-R39	390	K (±10%)	250	48	1.500	290	560
CWCi2012-R47	470		100	33	1.760	250	375
CWCi2012-R56	560	L (±15%)	50	23	1.900	230	340
CWCi2012-R62	620		50	23	2.080	200	320
CWCi2012-R68	680	M (±20%)	50	23	2.100	190	300
CWCi2012-R75	750		50	23	2.120	180	280
CWCi2012-R82	820	P (±25%)	50	23	2.140	180	250
CWCi2012-R91	910		50	23	2.280	180	220
CWCi2012-1R0	1000	N (±30%)	50	23	2.400	170	200
CWCi2012-1R2	1200		50	22	2.550	170	180
CWCi2012-1R5	1500		50	21	2.800	160	170
CWCi2012-1R8	1800		50	21	3.200	150	160
CWCi2012-2R2	2200		50	21	3.800	150	150

NOTES:

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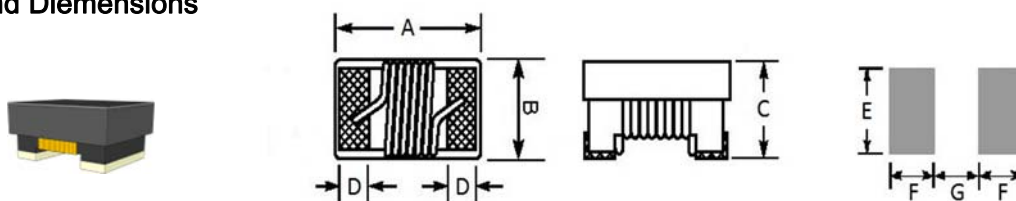
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	
CWC12520	2.65 ± 0.10	2.60 ± 0.10	2.00 ± 0.10	0.50 ± 0.07	2.54 ± 0.10	1.02 ± 0.05	1.27 ± 0.05	

Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWC12520-3N9	3.9	J (±5%)	1500	50	0.035	1000	6000
CWC12520-4N7	4.7		1500	50	0.045	1000	6000
CWC12520-5N6	5.6		1000	50	0.080	1000	6000
CWC12520-8N2	8.2		1000	50	0.050	1000	5000
CWC12520-010	10.0		500	50	0.080	1000	4100
CWC12520-012	12.0		500	50	0.090	1000	3300
CWC12520-015	15.0		500	50	0.100	1000	2500
CWC12520-018	18.0		350	50	0.110	1000	2500
CWC12520-022	22.0		350	55	0.120	1000	2400
CWC12520-027	27.0		350	55	0.130	1000	1600
CWC12520-033	33.0	L (±15%)	350	60	0.140	1000	1600
CWC12520-039	39.0	M (±20%)	350	60	0.150	1000	1500
CWC12520-047	47.0		350	65	0.160	1000	1500
CWC12520-056	56.0	P (±25%)	350	65	0.180	1000	1300
CWC12520-062	62.0		350	65	0.200	1000	1300
CWC12520-068	68.0	N (±30%)	350	65	0.200	1000	1300
CWC12520-075	75.0		350	60	0.200	1000	1200
CWC12520-082	82.0		350	60	0.220	1000	1000
CWC12520-R10	100.0		350	60	0.560	650	1000
CWC12520-R12	120.0		350	60	0.630	650	950
CWC12520-R15	150.0		100	45	0.700	580	850
CWC12520-R18	180.0		100	45	0.770	620	750

NOTES:

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Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWC12520-R20	200	J (±5%)	100	45	0.800	550	750
CWC12520-R22	220		100	45	0.840	500	700
CWC12520-R24	240		100	45	0.880	500	600
CWC12520-R27	270		100	45	0.910	500	600
CWC12520-R33	330		100	45	1.050	450	570
CWC12520-R39	390		100	45	1.120	470	500
CWC12520-R47	470		100	45	1.190	470	450
CWC12520-R56	560		100	45	1.330	400	415
CWC12520-R62	620		100	45	1.400	400	375
CWC12520-R68	680		100	45	1.470	400	375
CWC12520-R75	750	K (±10%)	100	45	1.540	360	360
CWC12520-R82	820		100	45	1.610	400	350
CWC12520-R91	910	L (±15%)	50	35	1.680	380	320
CWC12520-1R0	1000		50	35	1.750	370	290
CWC12520-1R2	1200	M (±20%)	50	35	2.000	310	250
CWC12520-1R5	1500		50	28	2.300	330	200
CWC12520-1R8	1800	P (±25%)	50	28	2.600	300	160
CWC12520-2R2	2200		50	28	2.800	280	160
CWC12520-2R7	2700		50	22	3.200	290	140
CWC12520-3R3	3300		50	22	3.400	290	110
CWC12520-3R9	3900		25	20	3.600	260	100
CWC12520-4R7	4700		25	20	4.000	250	90
CWC12520-5R6	5600		7.96	20	7.600	240	60
CWC12520-6R8	6800		7.96	20	8.200	200	60

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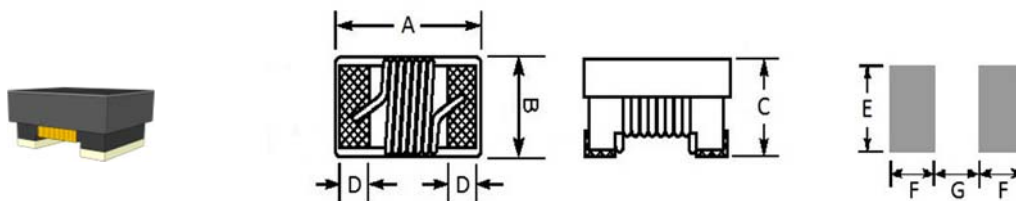
Features

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Applications

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Shapes and Dimensions



Type	A	B	C	D	E	F	G	
CWCI3225	3.35 ± 0.10	2.70 ± 0.10	2.10 ± 0.10	0.50 ± 0.07	2.54 ± 0.10	1.02 ± 0.05	1.78 ± 0.05	

Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWCI3225-3N9	3.9	J (±5%) K (±10%) L (±15%) M (±20%) P (±25%) N (±30%)	300	30	0.050	1000	6000
CWCI3225-4N7	4.7		300	30	0.065	1000	5800
CWCI3225-8N2	8.2		300	30	0.070	1000	5500
CWCI3225-010	10.0		300	40	0.080	1000	4000
CWCI3225-012	12.0		300	40	0.080	1000	3200
CWCI3225-015	15.0		300	40	0.100	1000	3200
CWCI3225-018	18.0		300	50	0.100	1000	2800
CWCI3225-022	22.0		300	50	0.100	1000	2200
CWCI3225-027	27.0		300	50	0.100	1000	1800
CWCI3225-033	33.0		300	55	0.100	1000	1800
CWCI3225-039	38.0		300	55	0.120	1000	1800
CWCI3225-043	43.0		300	55	0.120	1000	1500
CWCI3225-047	47.0		300	55	0.130	1000	1500
CWCI3225-056	56.0		300	55	0.140	1000	1450
CWCI3225-068	68.0		300	55	0.150	900	1200
CWCI3225-082	82.0		300	55	0.200	900	1200
CWCI3225-R10	100.0		300	55	0.210	850	1100
CWCI3225-R12	120.0		300	60	0.210	800	1100
CWCI3225-R15	150.0		300	60	0.250	750	950
CWCI3225-R18	180.0		300	60	0.300	700	900
CWCI3225-R22	220.0		300	60	0.320	670	760
CWCI3225-R27	270.0		300	55	0.340	630	730

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Electrical Characteristics

Part Number	Inductance (nH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWC13225-R33	330	J (±5%)	150	45	0.800	590	650
CWC13225-R39	390		150	45	0.840	530	600
CWC13225-R47	470		150	45	0.880	490	550
CWC13225-R56	560		150	45	0.910	460	470
CWC13225-R68	680		150	45	1.050	430	450
CWC13225-R82	820	K (±10%)	150	45	1.120	400	420
CWC13225-1R0	1000		150	45	1.190	320	400
CWC13225-1R2	1200	L (±15%)	150	45	1.330	300	380
CWC13225-1R5	1500		50	30	1.400	310	160
CWC13225-1R8	1800	M (±20%)	50	30	1.470	310	160
CWC13225-2R2	2200		50	30	1.540	310	160
CWC13225-2R7	2700	P (±25%)	25	28	1.610	300	140
CWC13225-3R3	3300		25	25	1.680	300	110
CWC13225-3R9	3900	N (±30%)	25	25	1.750	290	100
CWC13225-4R7	4700		25	25	2.000	280	75
CWC13225-5R6	5600		7.9	20	2.300	250	70
CWC13225-6R8	6800		7.9	20	2.600	230	70
CWC13225-8R6	8600		7.9	20	2.800	160	55

NOTES:

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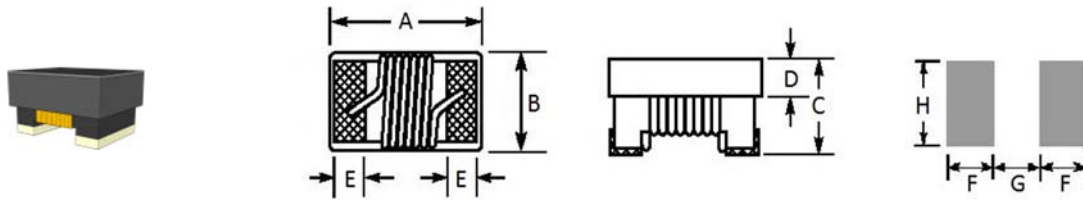
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	H
CWF1608	1.80 max.	1.20 max.	1.20 max.	0.38 ref.	3.50 ± 0.10	0.64	0.64	1.00

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWF1608-R47	0.47	K (±10%) M (±20%)	7.96	10	0.075	1400	1500
CWF1608-1R0	0.10		7.96	10	0.130	1400	1150
CWF1608-1R2	0.12		7.96	10	0.150	1400	1100
CWF1608-1R5	0.15		7.96	10	0.150	1300	1050
CWF1608-2R2	0.22		7.96	10	0.150	950	800
CWF1608-2R7	0.27		7.96	10	0.200	710	775
CWF1608-3R3	0.33		7.96	10	0.350	620	725
CWF1608-3R9	0.39		7.96	10	0.390	600	620
CWF1608-4R7	0.47		7.96	10	0.430	570	540
CWF1608-5R6	0.56		7.96	10	0.470	550	525
CWF1608-6R8	0.68		7.96	10	0.520	470	460
CWF1608-8R2	0.82		7.96	10	0.690	400	410
CWF1608-100	1.00		7.96	10	0.810	400	190
CWF1608-120	1.2		7.96	10	0.870	370	160
CWF1608-150	1.5		7.96	10	0.960	350	100
CWF1608-220	2.2		7.96	10	1.200	320	68
CWF1608-330	3.3		7.96	10	1.500	280	42
CWF1608-270	4.7		7.96	10	2.100	260	34
CWF1608-680	6.8		7.96	10	3.100	200	31
CWF1608-101	10.0		2.52	10	4.300	180	25

NOTES:

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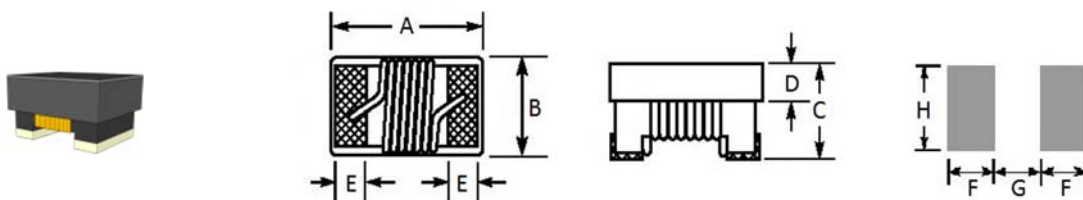
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	H
CWF12012	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44 ± 0.10	1.00	0.75	1.80

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWF12012-R47	0.47	K (±10%) M (±20%)	7.96	10	0.200	750	720
CWF12012-R56	0.56		7.96	10	0.210	730	665
CWF12012-R68	0.68		7.96	10	0.280	670	565
CWF12012-1R0	1.00		7.96	10	0.340	615	525
CWF12012-1R2	1.20		7.96	10	0.390	550	473
CWF12012-1R5	1.50		7.96	10	0.450	520	300
CWF12012-2R2	2.20		7.96	10	0.670	420	215
CWF12012-3R3	3.30		7.96	10	0.810	385	95
CWF12012-3R9	3.90		7.96	10	0.880	372	57
CWF12012-4R7	4.70		7.96	10	0.990	345	51
CWF12012-5R6	5.60		7.96	10	1.060	335	44
CWF12012-6R8	6.80		7.96	10	1.210	315	39
CWF12012-8R2	8.20		7.96	10	1.330	295	33
CWF12012-100	10.0		2.52	10	1.790	260	30
CWF12012-120	12.0		2.52	10	1.980	250	27
CWF12012-150	15.0		2.52	10	2.680	215	22
CWF12012-180	18.0		2.52	10	3.120	195	20
CWF12012-220	22.0		2.52	10	3.480	180	18
CWF12012-270	27.0		2.52	10	3.840	170	16
CWF12012-330	33.0		2.52	10	4.340	145	15

NOTES:

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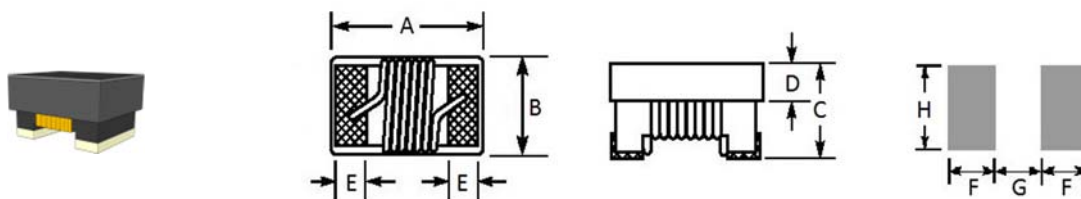
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	H
CWF12520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55 ± 0.10	1.00	1.28	2.54

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance	Test Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWF12520-1R0	1.0	K (±10%) M (±20%)	7.96	12	0.200	1000	345
CWF12520-1R5	1.5		7.96	12	0.210	850	100
CWF12520-2R2	2.2		7.96	12	0.280	775	78
CWF12520-3R3	3.3		7.96	12	0.340	715	48
CWF12520-4R7	4.7		7.96	12	0.390	505	46
CWF12520-6R8	6.8		7.96	12	0.450	432	33
CWF12520-8R2	8.2		2.52	12	0.670	410	30
CWF12520-100	10.0		2.52	12	0.810	392	28
CWF12520-150	15.0		2.52	12	0.880	342	21
CWF12520-220	22.0		2.52	12	0.990	260	18
CWF12520-330	33.0		2.52	12	1.060	236	15

NOTES:

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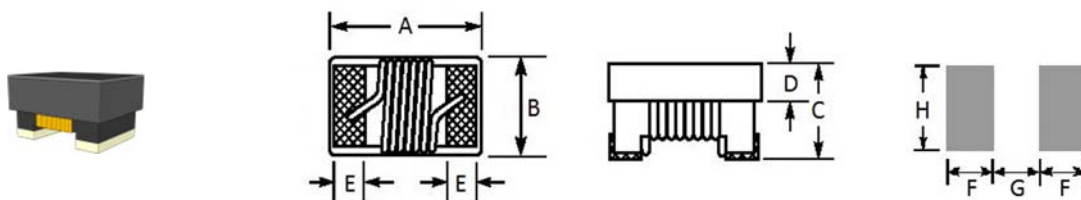
Features

- Miniature size, suitable for SMT
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Excellent in solder ability and heat resistance.
- Best frequency special property and intense ability to resist interference.
-

Applications

- Portable communication equipments, PDA, High speed electronic devices.

Shapes and Dimensions



Type	A	B	C	D	E	F	G	H
CWF13225	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55 ± 0.10	1.00	1.78	2.84

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance	Measuring Freq. (MHz)	Q (min.)	DCR (Ω) max.	Rated Current (mA) max.	S.R.F (MHz) min.
CWF13225-1R0	1.0	K (±10%) M (±20%)	7.96	10	0.120	1200	290
CWF13225-1R5	1.5		7.96	10	0.130	1000	260
CWF13225-2R2	2.2		7.96	10	0.170	880	190
CWF13225-3R3	3.3		7.96	10	0.220	775	64
CWF13225-4R7	4.7		7.96	10	0.260	710	54
CWF13225-6R8	6.8		7.96	10	0.300	660	34
CWF13225-100	10.0		7.96	10	0.390	570	25
CWF13225-150	15.0		7.96	10	0.660	440	17
CWF13225-220	22.0		7.96	10	0.820	400	16
CWF13225-330	33.0		7.96	10	1.500	285	12
CWF13225-390	39.0		7.96	10	1.660	270	12
CWF13225-470	47.0		7.96	10	1.900	260	10
CWF13225-680	68.0		7.96	10	2.290	235	9
CWF13225-101	100.0		7.96	10	3.480	190	7
CWF13225-151	150.0		7.96	10	6.550	140	5
CWF13225-221	220.0		7.96	10	8.230	115	4
CWF13225-331	330.0		7.96	10	13.700	98	2.8
CWF13225-471	470.0		7.96	10	18.100	86	2.6
CWF13225-681	680.0		7.96	10	22.000	76	2.3

NOTES:

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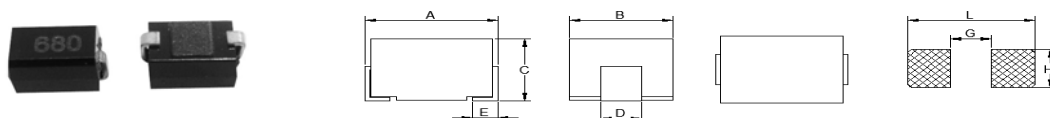
Features

- Low resistance and High current, providing Power Line applications.
- Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure.
- High resistance to heat and humidity.
- Excellent solderability and heat resistance.

Applications

- Microtelevisions, Liquid crystal televisions, Video cameras, Portable VCRs, Car stereos, Thin type radio, Television tuners, Mobil phones, Radio equipments.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	L	G	H
SEM3225	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	0.6 typ.	1.0 ± 0.2	4.4	2.0	1.2

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM3225-R10MC	$0.10 \pm 20\%$	28	100	0.44	450	700
SEM3225-R12MC	$0.12 \pm 20\%$	30	25.2	0.22	450	500
SEM3225-R15MC	$0.15 \pm 20\%$	30	25.2	0.25	450	450
SEM3225-R18 MC	$0.18 \pm 20\%$	30	25.2	0.28	450	400
SEM3225-R22MC	$0.22 \pm 20\%$	30	25.2	0.32	450	350
SEM3225-R27MC	$0.27 \pm 20\%$	31	25.2	0.36	450	320
SEM3225-R33MC	$0.33 \pm 20\%$	32	25.2	0.40	450	300
SEM3225-R39MC	$0.39 \pm 20\%$	33	25.2	0.45	450	250
SEM3225-R47MC	$0.47 \pm 20\%$	34	25.2	0.50	450	220
SEM3225-R56MC	$0.56 \pm 20\%$	35	25.2	0.55	450	180
SEM3225-R68MC	$0.68 \pm 20\%$	36	25.2	0.60	450	160
SEM3225-R82MC	$0.82 \pm 20\%$	37	25.2	0.65	450	140
SEM3225-1R0MC	$1.00 \pm 20\%$	38	7.96	0.70	400	120
SEM3225-1R2MC	$1.20 \pm 20\%$	39	7.96	0.75	380	100
SEM3225-1R5MC	$1.50 \pm 20\%$	40	7.96	0.85	390	85
SEM3225-1R8MC	$1.80 \pm 20\%$	41	7.96	0.90	370	80
SEM3225-2R2MC	$2.20 \pm 20\%$	42	7.96	1.00	350	75
SEM3225-2R7MC	$2.70 \pm 20\%$	43	7.96	1.10	320	70
SEM3225-3R3MC	$3.30 \pm 20\%$	44	7.96	1.20	290	60
SEM3225-3R9MC	$3.90 \pm 20\%$	45	7.96	1.30	250	55
SEM3225-4R7MC	$4.70 \pm 20\%$	46	7.96	1.50	220	50
SEM3225-5R6MC	$5.60 \pm 20\%$	47	7.96	1.60	200	45
SEM3225-6R8MC	$6.80 \pm 20\%$	48	7.96	1.80	180	40
SEM3225-8R2MC	$8.20 \pm 20\%$	49	7.96	2.00	170	35

NOTES:

Irate: Based on inductance change($\Delta L/L0 \leq 10\%$)@ambient temp.20°C.

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM3225-100KC	10 ± 10%	30	2.52	2.10	150	30
SEM3225-120KC	12 ± 10%	30	2.52	2.50	140	20
SEM3225-150KC	15 ± 10%	30	2.52	2.80	130	20
SEM3225-180KC	18 ± 10%	30	2.52	3.30	120	20
SEM3225-220KC	22 ± 10%	30	2.52	3.70	110	20
SEM3225-270KC	27 ± 10%	30	2.52	5.00	80	20
SEM3225-330KC	33 ± 10%	30	2.52	5.60	70	17
SEM3225-390KC	39 ± 10%	30	2.52	6.40	65	16
SEM3225-470KC	47 ± 10%	30	2.52	7.00	60	15
SEM3225-560KC	56 ± 10%	30	2.52	8.00	55	13
SEM3225-680KC	68 ± 10%	30	2.52	9.00	50	12
SEM3225-820KC	85 ± 10%	30	2.52	10.00	45	11
SEM3225-101KC	100 ± 10%	20	0.796	10.00	40	10
SEM3225-121KC	120 ± 10%	20	0.796	11.00	70	10
SEM3225-151KC	150 ± 10%	20	0.796	15.00	60	8

NOTES:

Irate: Based on inductance change($\Delta L/L \leq 10\%$)@ambient temp.20°C.

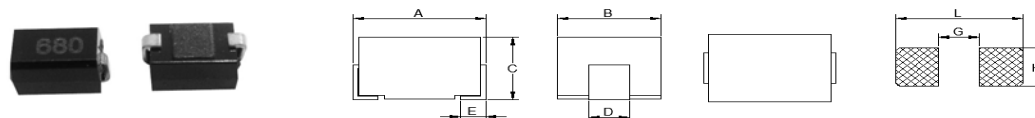
Features

- Low resistance and High current, providing Power Line applications.
- Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure.
- High resistance to heat and humidity.
- Excellent solderability and heat resistance.

Applications

- Microtelevisions, Liquid crystal televisions, Video cameras, Portable VCRs, Car stereos, Thin type radio, Television tuners, Mobil phones, Radio equipments.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	F	G	H
SEM4532	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2 typ.	1.1 ± 0.2	5.9	2.5	1.5

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM4532-R10MC	0.10 ± 20%	35	25.2	0.18	800	300
SEM4532-R12MC	0.12 ± 20%	35	25.2	0.20	770	280
SEM4532-R15MC	0.15 ± 20%	35	25.2	0.22	730	250
SEM4532-R18MC	0.18 ± 20%	35	25.2	0.24	700	220
SEM4532-R22MC	0.22 ± 20%	40	25.2	0.25	665	200
SEM4532-R27MC	0.27 ± 20%	40	25.2	0.26	635	180
SEM4532-R33MC	0.33 ± 20%	40	25.2	0.28	605	165
SEM4532-R39MC	0.39 ± 20%	40	25.2	0.30	575	150
SEM4532-R47MC	0.47 ± 20%	40	25.2	0.32	545	145
SEM4532-R56MC	0.56 ± 20%	40	25.2	0.36	520	140
SEM4532-R68MC	0.68 ± 20%	40	25.2	0.40	500	135
SEM4532-R82MC	0.82 ± 20%	40	25.2	0.45	475	130
SEM4532-1R0MC	1.0 ± 20%	50	7.96	0.50	450	100
SEM4532-1R2MC	1.2 ± 20%	50	7.96	0.55	430	80
SEM4532-1R5MC	1.5 ± 20%	50	7.96	0.60	410	70
SEM4532-1R8MC	1.8 ± 20%	50	7.96	0.65	390	60
SEM4532-2R2MC	2.2 ± 20%	50	7.96	0.70	380	55
SEM4532-2R7MC	2.7 ± 20%	50	7.96	0.75	370	50
SEM4532-3R3MC	3.3 ± 20%	50	7.96	0.80	355	45
SEM4532-3R9MC	3.9 ± 20%	50	7.96	0.90	330	40
SEM4532-4R7MC	4.7 ± 20%	50	7.96	1.00	315	35
SEM4532-5R6MC	5.6 ± 20%	50	7.96	1.10	300	33
SEM4532-6R8MC	6.8 ± 20%	50	7.96	1.20	285	27
SEM4532-8R2MC	8.2 ± 20%	50	7.96	1.40	270	25

NOTES:

Irate: Based on inductance change($\Delta L/L \leq 10\%$)@ambient temp.20°C.

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM4532-100KC	10 ± 10%	50	2.52	1.60	250	20
SEM4532-120KC	12 ± 10%	50	2.52	2.00	225	18
SEM4532-150KC	15 ± 10%	50	2.52	2.50	200	17
SEM4532-180KC	18 ± 10%	50	2.52	2.80	190	15
SEM4532-220KC	22 ± 10%	50	2.52	3.20	180	13
SEM4532-270KC	27 ± 10%	50	2.52	3.60	170	12
SEM4532-330KC	33 ± 10%	50	2.52	4.00	160	11
SEM4532-390KC	39 ± 10%	50	2.52	4.50	150	10
SEM4532-470KC	47 ± 10%	50	2.52	5.00	140	10
SEM4532-560KC	56 ± 10%	50	2.52	5.50	135	9
SEM4532-680KC	68 ± 10%	50	2.52	6.00	130	9
SEM4532-820KC	82 ± 10%	50	2.52	7.00	120	8
SEM4532-101KC	100 ± 10%	40	0.796	8.00	110	8
SEM4532-121KC	120 ± 10%	40	0.796	8.00	110	6
SEM4532-151KC	150 ± 10%	40	0.796	9.00	105	5
SEM4532-181KC	180 ± 10%	40	0.796	9.50	102	5
SEM4532-221KC	220 ± 10%	40	0.796	10.00	100	4
SEM4532-271KC	270 ± 10%	40	0.796	12.00	92	4
SEM4532-331KC	330 ± 10%	40	0.796	14.00	85	3.5
SEM4532-391KC	390 ± 10%	40	0.796	18.00	80	3
SEM4532-471KC	470 ± 10%	40	0.796	26.00	62	3
SEM4532-561KC	560 ± 10%	30	0.796	30.00	50	3
SEM4532-681KC	680 ± 10%	30	0.796	30.00	50	3
SEM4532-821KC	820 ± 10%	30	0.796	35.00	30	2.5
SEM4532-102KC	1000 ± 10%	20	0.252	40.00	30	2.5

NOTES:

Irate: Based on inductance change($\Delta L/L \leq 10\%$)@ambient temp.20°C.

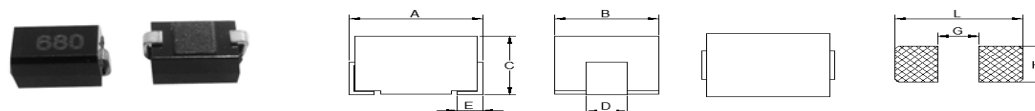
Features

- Low resistance and High current, providing Power Line applications.
- Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure.
- High resistance to heat and humidity.
- Excellent solderability and heat resistance.

Applications

- Microtelevisions, Liquid crystal televisions, Video cameras, Portable VCRs, Car stereos, Thin type radio, Television tuners, Mobil phones, Radio equipments.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	L	G	H
SEC3225	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	0.6 typ.	1.0 ± 0.2	4.4	2.2	1.2

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEC3225-1R0MC	$1.0 \pm 10\%$	10	7.96	0.16	700	100
SEC3225-151MC	$1.5 \pm 10\%$	10	7.96	0.20	580	80
SEC3225-151MC	$2.2 \pm 10\%$	10	7.96	0.26	480	65
SEC3225-151MC	$3.3 \pm 10\%$	10	7.96	0.33	400	55
SEC3225-151MC	$4.7 \pm 10\%$	10	7.96	0.52	320	45
SEC3225-151MC	$6.8 \pm 10\%$	10	7.96	0.65	280	35
SEC3225-151MC	$10 \pm 10\%$	15	2.52	1.11	220	28
SEC3225-151MC	$15 \pm 10\%$	15	2.52	1.69	180	25
SEC3225-151MC	$22 \pm 10\%$	15	2.52	2.60	145	20
SEC3225-151MC	$33 \pm 10\%$	15	2.52	3.64	115	15
SEC3225-151MC	$39 \pm 10\%$	15	2.52	4.50	110	14
SEC3225-151MC	$47 \pm 10\%$	15	2.52	5.46	105	13
SEC3225-151MC	$68 \pm 10\%$	15	2.52	8.45	85	10
SEC3225-151MC	$82 \pm 10\%$	15	2.52	8.71	80	9
SEC3225-151MC	$100 \pm 10\%$	15	0.796	9.14	75	8

NOTES:

Irate: Based on inductance change($\Delta L/L \leq 10\%$)@ambient temp.20°C.

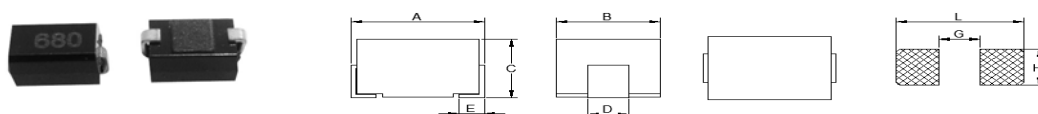
Features

- Low resistance and High current, providing Power Line applications.
- Coils encapsulated in heat-proof resin make high accurate dimensions and resistant to mechanical shock or pressure.
- High resistance to heat and humidity.
- Excellent solderability and heat resistance.

Applications

- Microtelevisions, Liquid crystal televisions, Video cameras, Portable VCRs, Car stereos, Thin type radio, Television tuners, Mobil phones, Radio equipments.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	F	G	H
SEC4532	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2 typ.	1.1 ± 0.2	5.9	2.5	1.5

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEC4532-1R0KT	1.0 ± 10%	10	7.96	0.11	1050	180
SEC4532-1R2KT	1.2 ± 10%	10	7.96	0.12	1000	160
SEC4532-1R5KT	1.5 ± 10%	10	7.96	0.15	950	130
SEC4532-1R8KT	1.8 ± 10%	10	7.96	0.16	900	100
SEC4532-2R2KT	2.2 ± 10%	10	7.96	0.18	850	80
SEC4532-2R7KT	2.7 ± 10%	10	7.96	0.20	800	60
SEC4532-3R3KT	3.3 ± 10%	10	7.96	0.22	750	45
SEC4532-3R9KT	3.9 ± 10%	10	7.96	0.24	700	40
SEC4532-4R7KT	4.7 ± 10%	10	7.96	0.27	650	35
SEC4532-5R6KT	5.6 ± 10%	10	7.96	0.30	650	30
SEC4532-6R8KT	6.8 ± 10%	10	7.96	0.36	600	28
SEC4532-8R2KT	8.2 ± 10%	10	7.96	0.40	600	25
SEC4532-100KT	10 ± 10%	10	2.52	0.50	550	22
SEC4532-120KT	12 ± 10%	10	2.52	0.60	500	21
SEC4532-150KT	15 ± 10%	10	2.52	0.70	450	20
SEC4532-180KT	18 ± 10%	10	2.52	0.80	400	19
SEC4532-220KT	22 ± 10%	10	2.52	0.90	370	18
SEC4532-270KT	27 ± 10%	10	2.52	1.20	330	16
SEC4532-330KT	33 ± 10%	10	2.52	1.40	300	14
SEC4532-390KT	39 ± 10%	10	2.52	1.60	280	12
SEC4532-470KT	47 ± 10%	10	2.52	1.90	260	11.5
SEC4532-560KT	56 ± 10%	10	2.52	2.20	240	11
SEC4532-680KT	68 ± 10%	10	2.52	2.60	220	10
SEC4532-820KT	82 ± 10%	10	2.52	3.50	200	9
SEC4532-101KT	100 ± 10%	20	0.796	4.00	180	8
SEC4532-121KT	120 ± 10%	20	0.796	4.50	160	7.5
SEC4532-151KT	150 ± 10%	20	0.796	6.50	140	7
SEC4532-181KT	180 ± 10%	20	0.796	7.50	120	6.5
SEC4532-221KT	220 ± 10%	20	0.796	9.00	120	5.5
SEC4532-271KT	270 ± 10%	20	0.796	11.00	100	5
SEC4532-331KT	330 ± 10%	20	0.796	13.00	90	4

NOTES:

Irate: Based on inductance change($\Delta L/L0 \leq 10\%$)@ambient temp.20°C.

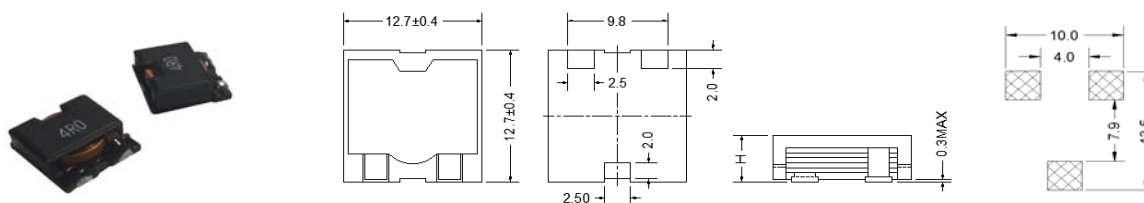
Features

- Rectangular magnet/Flat wire construction.
- Super low resistance and Ultra high rating current.

Applications

- Excellent for power line DC-DC conversion applications used in Notebook computers and other handheld electronic equipments.

Shapes and Dimensions



SEP12035 Height : 3.5 ± 0.3

Packing Q'ty : pcs/reel

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Rated Current (A) Max.
SEP12035-R30M	0.3 ± 20%	100	2.00	34.0
SEP12035-R70M	0.7 ± 20%	100	4.50	26.0
SEP12035-1R3M	1.3 ± 20%	100	6.50	23.0

NOTES:

Rated Current: The DC current at which the inductance decreases to 80% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

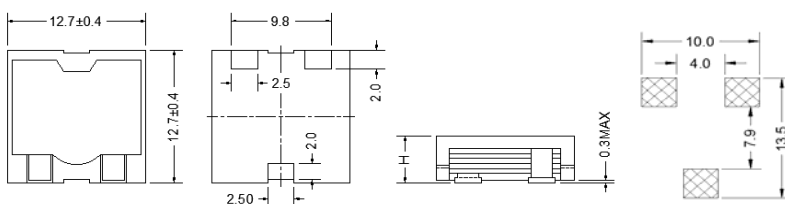
Features

- Rectangular magnet/Flat wire construction.
- Super low resistance and Ultra high rating current.

Applications

- Excellent for power line DC-DC conversion applications used in Notebook computers and other handheld electronic equipments.

Shapes and Dimensions



SEP12050 Height : 5.0 ± 0.3

Packing Q'ty : pcs/reel

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Rated Current (A) Max.
SEP12050-R60M	0.6 ± 20%	100	2.00	33.00
SEP12050-1R1M	1.1 ± 20%	100	3.00	26.00
SEP12050-1R7M	1.7 ± 20%	100	4.50	21.00
SEP12050-2R5M	2.5 ± 20%	100	6.00	18.00
SEP12050-4R7M	4.7 ± 20%	100	12.00	12.00
SEP12050-5R6M	5.6 ± 20%	100	15.00	10.00

NOTES:

Rated Current: The DC current at which the inductance decreases to 80% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

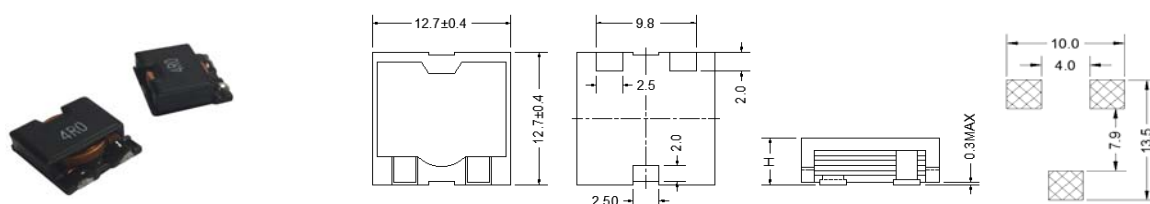
Features

- Rectangular magnet/Flat wire construction.
- Super low resistance and Ultra high rating current.

Applications

- Excellent for power line DC-DC conversion applications used in Notebook computers and other handheld electronic equipments.

Shapes and Dimensions



SEP12060 Height : 6.0 ± 0.3

Packing Q'ty : pcs/reel

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Rated Current (A) Max.
SEP12060-1R5M	1.5 ± 20%	100	3.50	25.00
SEP12060-2R1M	2.1 ± 20%	100	4.50	20.00
SEP12060-2R8M	2.8 ± 20%	100	6.00	18.00
SEP12060-4R7M	4.7 ± 20%	100	9.00	13.00
SEP12060-5R6M	5.6 ± 20%	100	15.00	11.50
SEP12060-7R8M	7.8 ± 20%	100	20.00	9.00

NOTES:

Rated Current: The DC current at which the inductance decreases to 80% of its initial value or when ΔT=40°C, whichever is lower (Ta=20°C)

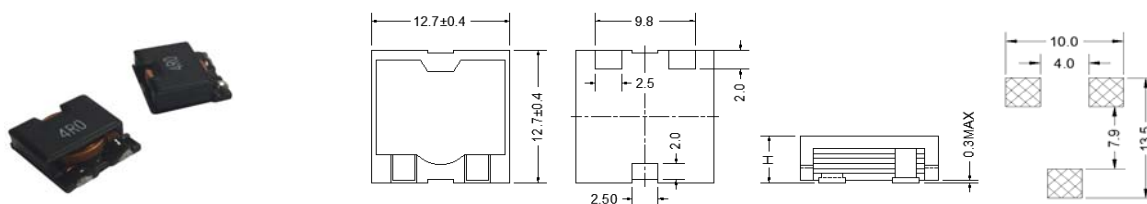
Features

- Rectangular magnet/Flat wire construction.
- Super low resistance and Ultra high rating current.

Applications

- Excellent for power line DC-DC conversion applications used in Notebook computers and other handheld electronic equipments.

Shapes and Dimensions



SEP12070 Height : 7.0 ± 0.3

Packing Q'ty : pcs/reel

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Rated Current (A) Max.
SEP12070-2R0M	2.0 ± 20%	100	4.00	21.00
SEP12070-2R7M	2.7 ± 20%	100	5.50	18.00
SEP12070-4R5M	4.5 ± 20%	100	8.00	13.00
SEP12070-6R5M	6.5 ± 20%	100	12.00	9.50
SEP12070-8R8M	8.8 ± 20%	100	18.00	8.00
SEP12070-120M	12.0 ± 20%	100	25.00	7.00

NOTES:

Rated Current: The DC current at which the inductance decreases to 80% of its initial value or when $\Delta T=40^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$)

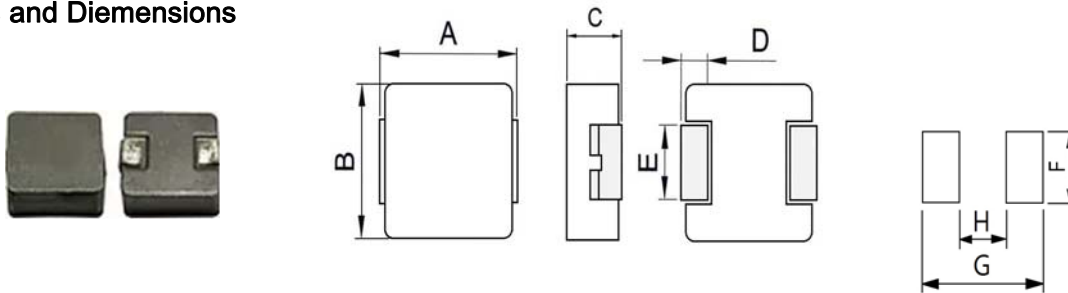
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 4,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC3012	3.50 ± 0.25	3.2 ± 0.25	1.0 ± 0.2	0.70 ± 0.2	1.2 ± 0.2	1.45	4.1	1.9

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC3012-R47MC	0.47 ± 20%	25	30	5.00	7.20
SDMC3012-R56MC	0.56 ± 20%	31	36	4.50	6.60
SDMC3012-R68MC	0.68 ± 20%	34	40	4.00	6.10
SDMC3012-R82MC	0.82 ± 20%	41	48	3.50	5.80
SDMC3012-1R0MC	1.0 ± 20%	50	60	3.30	5.50
SDMC3012-1R5MC	1.5 ± 20%	71	85	3.00	4.00
SDMC3012-2R2MC	2.2 ± 20%	98	115	2.70	3.40
SDMC3012-3R3MC	3.3 ± 20%	191	210	2.00	3.10
SDMC3012-4R7MC	4.7 ± 20%	266	293	1.60	2.80
SDMC3012-5R6MC	5.6 ± 20%	310	360	1.50	2.20
SDMC3012-6R8MC	6.8 ± 20%	360	400	1.40	2.00
SDMC3012-8R2MC	8.2 ± 20%	420	463	1.20	1.70
SDMC3012-100MC	10.0 ± 20%	498	550	1.00	1.40

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 30% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

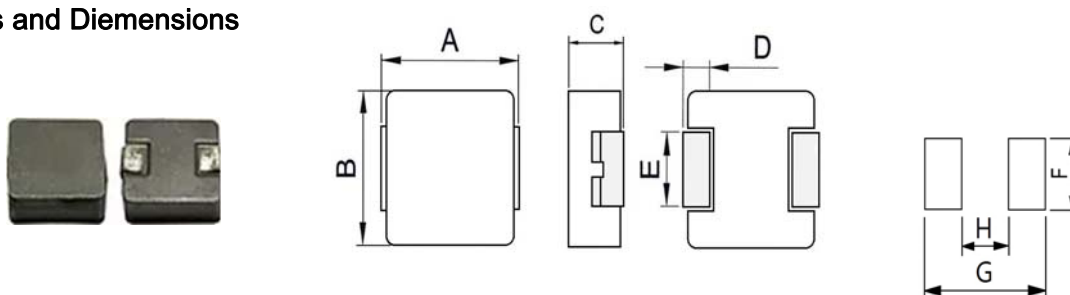
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 3,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC3020	3.5 ± 0.2	3.2 ± 0.2	1.8 ± 0.2	0.7 ± 0.2	1.2 ± 0.2	1.45	4.1	1.9

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC3020-R10MC	0.10 ± 30%	6.6	9.0	10.50	14.00
SDMC3020-R47MC	0.47 ± 20%	19.7	23.0	7.00	9.00
SDMC3020-R56MC	0.56 ± 20%	31	36	6.60	4.50
SDMC3020-R68MC	0.68 ± 20%	26	29	5.50	7.00
SDMC3020-R82MC	0.82 ± 20%	41	48	5.80	3.50
SDMC3020-1R0MC	1.0 ± 20%	32	38	4.00	5.00
SDMC3020-1R5MC	1.5 ± 20%	71	85	4.00	3.00
SDMC3020-2R2MC	2.2 ± 20%	65	75	3.50	3.70
SDMC3020-3R3MC	3.3 ± 20%	125	145	3.00	3.50
SDMC3020-4R7MC	4.7 ± 20%	172	200	2.60	3.00
SDMC3020-5R6MC	5.6 ± 20%	205	238	2.20	2.60
SDMC3020-6R8MC	6.8 ± 20%	260	300	1.90	2.20
SDMC3020-8R2MC	8.2 ± 20%	420	463	1.70	1.20
SDMC3020-100MC	10.0 ± 20%	366	422	1.40	1.60

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

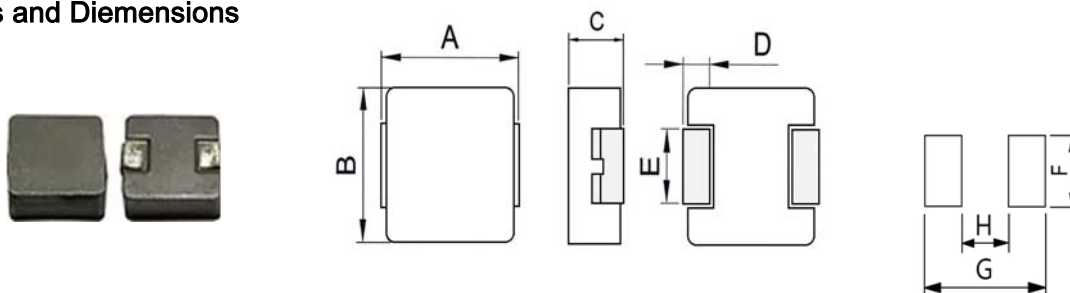
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 4,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC4012	4.45 ± 0.25	4.0 ± 0.25	1.0 ± 0.2	0.76 ± 0.3	2.0 ± 0.2	2.3	5.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC4012-R10NC	0.10 ± 30%	4.3	5.5	11.50	25.00
SDMC4012-R22MC	0.22 ± 20%	6.6	8.0	8.50	20.00
SDMC4012-R47MC	0.47 ± 20%	18.0	20.0	6.00	6.50
SDMC4012-R68MC	0.68 ± 20%	32.0	37.0	5.00	6.00
SDMC4012-1R0MC	1.0 ± 20%	41.0	47.0	4.00	6.00
SDMC4012-1R5MC	1.5 ± 20%	55.0	63.3	3.00	4.00
SDMC4012-2R2MC	2.2 ± 20%	69.2	80.0	2.80	3.50
SDMC4012-3R3MC	3.3 ± 20%	84.0	97.0	2.30	3.00
SDMC4012-4R7MC	4.7 ± 20%	128	145	2.00	2.50
SDMC4012-5R6MC	5.6 ± 20%	180	208	1.70	2.30
SDMC4012-6R8MC	6.8 ± 20%	300	360	1.50	1.70
SDMC4012-8R2MC	8.2 ± 20%	313	376	1.40	1.60
SDMC4012-100MC	10.0 ± 20%	410	463	1.30	1.40

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

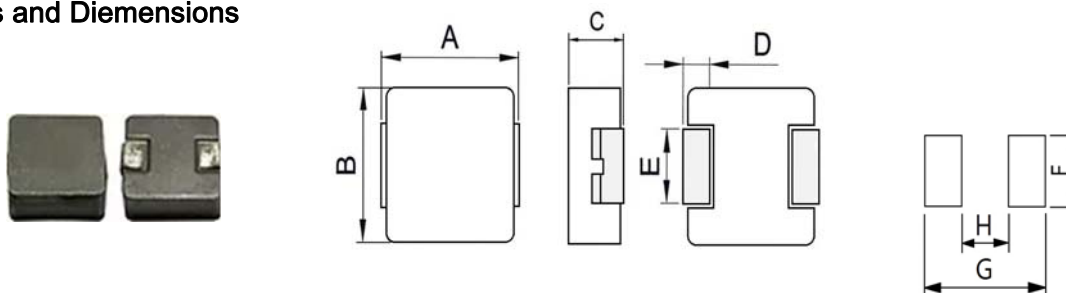
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 3,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC4020	4.45 ± 0.25	4.0 ± 0.25	1.8 ± 0.2	0.76 ± 0.3	2.0 ± 0.2	2.3	5.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC4020-R10NC	0.10 ± 30%	3.2	4	12.00	35.00
SDMC4020-R18NC	0.18 ± 30%	4.6	5.4	13.50	28.00
SDMC4020-R22NC	0.22 ± 30%	6.6	7.3	13.00	24.00
SDMC4020-R33MC	0.33 ± 20%	7.8	8.6	10.00	18.00
SDMC4020-R47MC	0.47 ± 20%	11.2	14	8.00	12.00
SDMC4020-R56MC	0.56 ± 20%	13.5	16	7.30	10.00
SDMC4020-R68MC	0.68 ± 20%	16	19	7.00	10.00
SDMC4020-1R0MC	1.0 ± 20%	22	27	5.00	8.50
SDMC4020-1R2MC	1.2 ± 20%	25	30	4.80	7.80
SDMC4020-1R5MC	1.5 ± 20%	34.8	42	4.50	7.00
SDMC4020-2R2MC	2.2 ± 20%	51	61	4.00	6.00
SDMC4020-3R3MC	3.3 ± 20%	69	76	3.50	4.00
SDMC4020-4R7MC	4.7 ± 20%	95	105	2.60	3.50
SDMC4020-5R6MC	5.6 ± 20%	112	125	2.20	3.00
SDMC4020-6R8MC	6.8 ± 20%	150	172	2.10	2.80
SDMC4020-8R2MC	8.2 ± 20%	158	180	2.00	2.50
SDMC4020-100MC	10.0 ± 20%	215	243	1.80	2.30
SDMC4020-150MC	15.0 ± 20%	325	374	1.50	1.90
SDMC4020-220MC	22.0 ± 20%	470	500	1.20	1.40

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

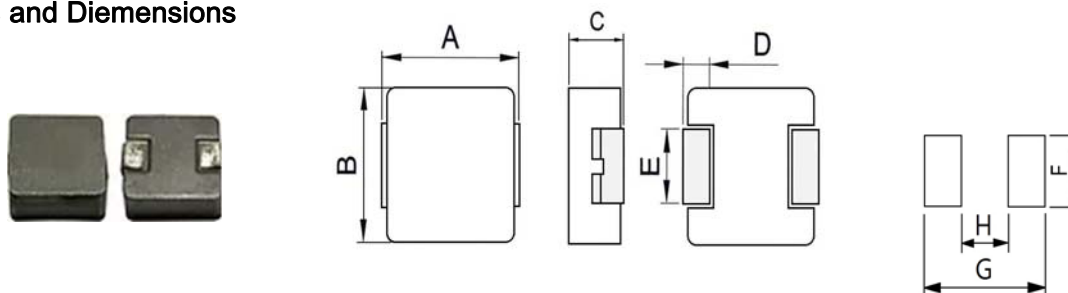
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 4,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5012	5.70 ± 0.30	5.20 ± 0.20	1.00 ± 0.20	1.10 ± 0.30	2.50 ± 0.30	2.8	6.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC5012-R10NC	0.10 ± 20%	4.3	5.2	14.00	14.50
SDMC5012-R22NC	0.22 ± 20%	5.5	6.7	10.70	14.00
SDMC5012-R33MC	0.33 ± 20%	7.8	9.4	8.50	13.50
SDMC5012-R36MC	0.36 ± 20%	10.0	11.5	8.00	13.00
SDMC5012-R47MC	0.47 ± 20%	13.6	15.8	7.00	11.00
SDMC5012-R68MC	0.68 ± 20%	21.5	24.5	6.00	9.00
SDMC5012-1R0MC	1.0 ± 20%	26.0	30.0	5.00	6.00
SDMC5012-1R2MC'	1.2 ± 20%	33.0	40.0	4.50	5.50
SDMC5012-1R5MC	1.5 ± 20%	38.0	44.0	4.00	5.00
SDMC5012-2R2MC	2.2 ± 20%	65.0	75.0	3.50	4.00
SDMC5012-3R3MC	3.3 ± 20%	75.0	86.0	3.00	3.80
SDMC5012-4R7MC	4.7 ± 20%	100.0	115.0	2.50	3.20
SDMC5012-5R6MC	5.6 ± 20%	175.0	201.0	2.40	3.20
SDMC5012-6R8MC	6.8 ± 20%	193.0	222.0	2.00	3.00
SDMC5012-8R2MC	8.2 ± 20%	327.0	378.0	1.70	2.80
SDMC5012-100MC	10.0 ± 20%	335.0	385.0	1.50	1.80

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

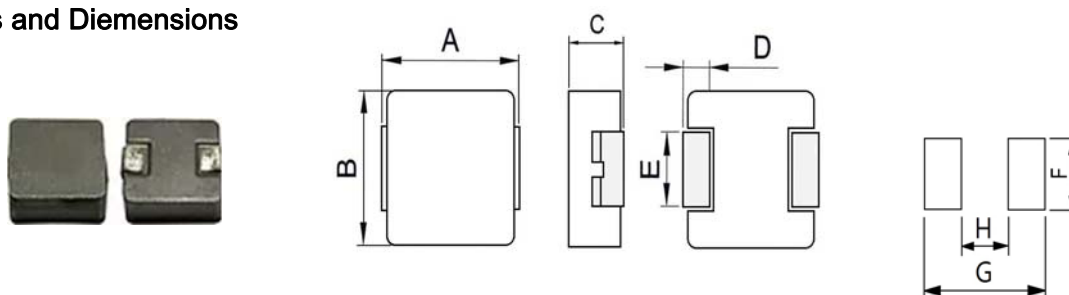
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 3,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5015	5.70 ± 0.30	5.20 ± 0.20	1.30 ± 0.20	1.10 ± 0.30	2.50 ± 0.30	2.8	6.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC5015-R20NC	0.20 ± 30%	3.8	4.2	15.00	22.50
SDMC5015-R33MC	0.33 ± 20%	8.5	9.8	9.00	16.00
SDMC5015-R47MC	0.47 ± 20%	12.0	13.8	8.00	15.00
SDMC5015-R68MC	0.68 ± 20%	14.0	16.2	7.00	13.00
SDMC5015-1R0MC	1.0 ± 20%	22.0	25.3	6.00	9.00
SDMC5015-1R5MC	1.5 ± 20%	39.0	45.0	4.50	7.00
SDMC5015-2R2MC	2.2 ± 20%	45.0	52.0	4.00	6.00
SDMC5015-3R3MC	3.3 ± 20%	78.0	90.0	3.20	4.50
SDMC5015-4R7MC	4.7 ± 20%	103.0	118.0	2.70	4.00
SDMC5015-5R6MC	5.6 ± 20%	126.0	152.0	2.40	3.20
SDMC5015-6R8MC	6.8 ± 20%	142.0	171.0	2.30	3.00
SDMC5015-8R2MC	8.2 ± 20%	175.0	210.0	2.10	2.60
SDMC5015-100MC	10.0 ± 20%	210.0	235.0	2.00	2.30
SDMC5015-220MC	22.0 ± 20%	405.0	466.0	1.20	1.70

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

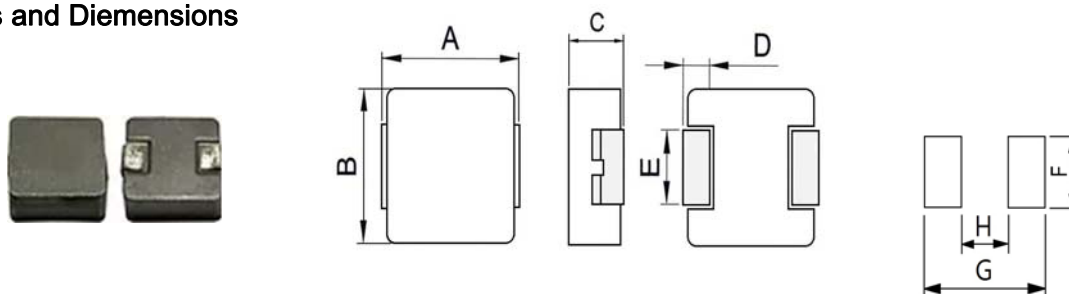
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 3,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5018	5.70 ± 0.30	5.20 ± 0.20	1.60 ± 0.20	1.10 ± 0.3	2.5 ± 0.3	2.8	6.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC5018-R33MC	0.33 ± 20%	7.5	8.6	11.00	15.00
SDMC5018-R47MC	0.47 ± 20%	9.8	11.3	10.00	14.00
SDMC5018-R68MC	0.68 ± 20%	12.4	14.3	9.00	13.00
SDMC5018-1R0MC	1.0 ± 20%	18.2	21.0	6.80	10.00
SDMC5018-1R5MC	1.5 ± 20%	26.0	30.0	6.00	9.00
SDMC5018-2R2MC	2.2 ± 20%	42.0	48.3	4.50	7.50
SDMC5018-3R3MC	3.3 ± 20%	60.0	69.0	3.50	5.00
SDMC5018-4R7MC	4.7 ± 20%	85.0	98.0	3.00	4.50
SDMC5018-5R6MC	5.6 ± 20%	110.0	127.0	2.50	4.00
SDMC5018-6R8MC	6.8 ± 20%	118.0	137.0	2.40	3.50
SDMC5018-8R2MC	8.2 ± 20%	165.0	165.0	2.30	3.00
SDMC5018-100MC	10.0 ± 20%	275.0	190.0	2.30	2.80

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

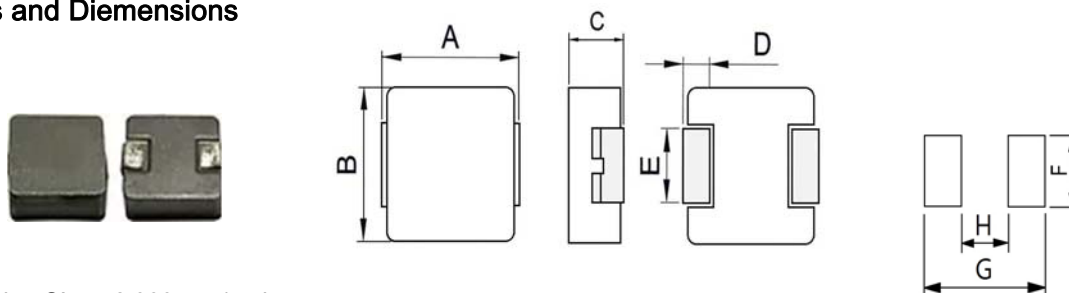
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5020	5.70 ± 0.30	5.20 ± 0.20	1.80 ± 0.20	1.10 ± 0.30	2.50 ± 0.30	2.8	6.2	2.2

Electrical Characteristics

Part Number	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC5020-R22MC	0.22 ± 20%	4.0	5.5	15.00	25.00
SDMC5020-R33MC	0.33 ± 20%	6.3	7.3	12.00	21.30
SDMC5020-R47MC	0.47 ± 20%	7.3	8.6	11.50	18.00
SDMC5020-R68MC	0.68 ± 20%	11.0	12.4	10.00	12.80
SDMC5020-1R0MC	1.0 ± 20%	17.5	20.0	7.00	13.70
SDMC5020-1R2MC	1.2 ± 20%	23.0	28.0	6.20	11.00
SDMC5020-1R5MC	1.5 ± 20%	26.5	30.5	5.50	9.80
SDMC5020-2R2MC	2.2 ± 20%	42.0	50.0	4.20	9.00
SDMC5020-3R3MC	3.3 ± 20%	66.0	76.0	3.30	7.30
SDMC5020-4R7MC	4.7 ± 20%	103.0	116.0	2.80	5.00
SDMC5020-5R6MC	5.6 ± 20%	112.0	122.0	2.50	4.00
SDMC5020-6R8MC	6.8 ± 20%	130.0	150.0	2.40	3.80
SDMC5020-8R2MC	8.2 ± 20%	148.0	171.0	2.30	3.50
SDMC5020-100MC	10.0 ± 20%	180.0	199.0	2.30	3.40
SDMC5020-150MC	15.0 ± 20%	240.0	270.0	1.90	2.80

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

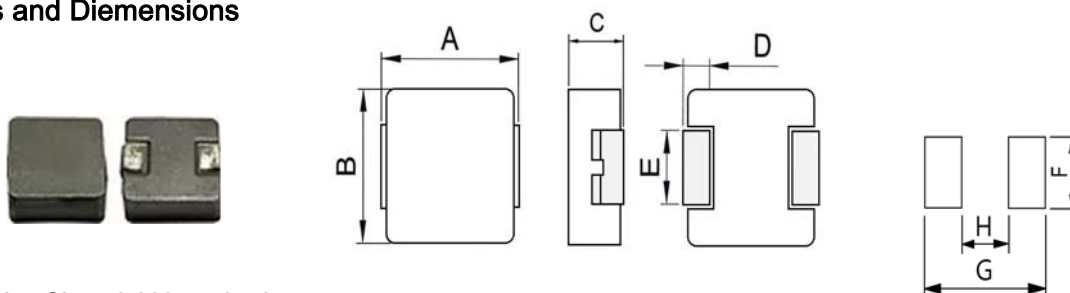
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 3,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5030	5.70 ± 0.3	5.20 ± 0.3	2.80 ± 0.2	1.10 ± 0.3	1.50 ± 0.3	1.8	6.5	2.5

Electrical Characteristics

Part Number	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC5030-R15MC	0.15 ± 20%	2.3	2.7	18.00	30.00
SDMC5030-R33MC	0.33 ± 20%	4.3	5.0	14.00	18.00
SDMC5030-R47MC	0.47 ± 20%	6.4	7.4	12.00	16.00
SDMC5030-R68MC	0.68 ± 20%	10.0	12.0	8.50	14.00
SDMC5030-1R0MC	1.0 ± 20%	13.0	14.0	7.00	11.00
SDMC5030-1R2MC	1.2 ± 20%	14.0	16.0	6.50	11.00
SDMC5030-1R5MC	1.5 ± 20%	16.0	25.0	6.00	10.00
SDMC5030-2R2MC	2.2 ± 20%	25.0	35.0	5.50	9.00
SDMC5030-3R3MC	3.3 ± 20%	32.0	38.0	5.00	8.00
SDMC5030-4R7MC	4.7 ± 20%	50.0	53.0	4.60	6.00
SDMC5030-5R6MC	5.6 ± 20%	55.0	63.0	4.25	4.50
SDMC5030-6R8MC	6.8 ± 20%	68.0	76.2	4.00	4.30
SDMC5030-100MC	10.0 ± 20%	110.0	128.0	2.75	3.50
SDMC5030-220MC	22.0 ± 20%	220.0	250.0	1.90	1.70

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

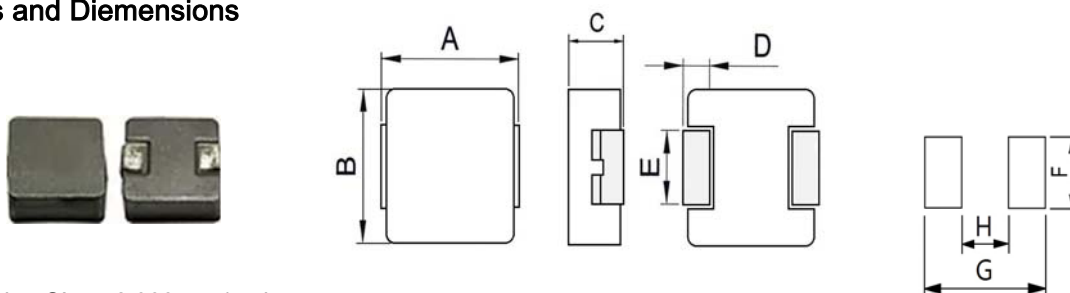
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 2,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6012	7.00 ± 0.3	6.60 ± 0.3	1.00 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3	7.7	2.5

Electrical Characteristics

Part Number	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6012-R22NC	0.22 ± 30%	6.5	7.5	11.00	19.00
SDMC6012-R33MC	0.33 ± 20%	9.0	10.0	9.50	16.00
SDMC6012-R47MC	0.47 ± 20%	13.0	17.0	8.50	12.00
SDMC6012-R68MC	0.68 ± 20%	17.0	19.0	7.00	9.00
SDMC6012-1R0MC	1.0 ± 20%	27.0	30.0	6.00	7.00
SDMC6012-1R2MC	1.2 ± 20%	31.0	36.0	5.00	6.80
SDMC6012-1R5MC	1.5 ± 20%	35.0	40.0	4.50	6.50
SDMC6012-2R2MC	2.2 ± 20%	53.0	61.0	4.00	5.00
SDMC6012-3R3MC	3.3 ± 20%	90.0	103.0	3.20	4.00
SDMC6012-4R7MC	4.7 ± 20%	130.0	150.0	2.50	3.80
SDMC6012-6R8MC	6.8 ± 20%	172.0	198.0	2.10	3.00
SDMC6012-100MC	10.0 ± 20%	280.0	290.0	1.80	2.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

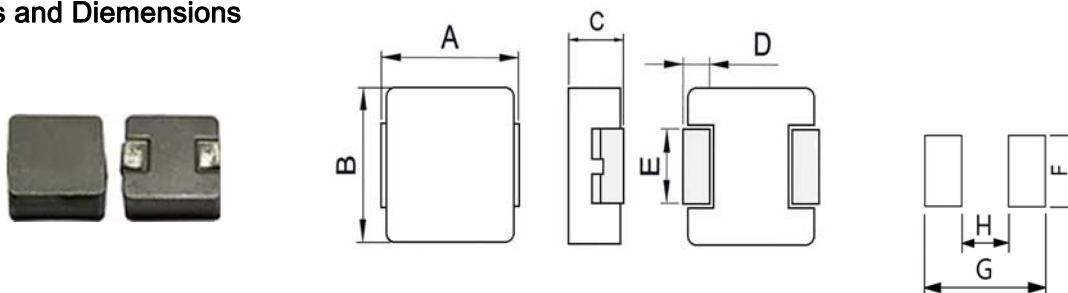
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6015	7.00 ± 0.3	6.60 ± 0.3	1.30 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

Electrical Characteristics

Part Number	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6015-R22NC	0.22 ± 30%	4.3	5.2	14.00	22.00
SDMC6015-R33MC	0.33 ± 20%	6.6	7.6	11.00	18.00
SDMC6015-R47MC	0.47 ± 20%	9.0	10.3	9.50	16.00
SDMC6015-R68MC	0.68 ± 20%	13.8	15.2	7.50	15.00
SDMC6015-1R0MC	1.0 ± 20%	23.0	25.8	6.50	12.00
SDMC6015-1R2MC	1.2 ± 20%	29.0	34.0	5.60	10.50
SDMC6015-1R5MC	1.5 ± 20%	37.0	42.5	5.00	9.50
SDMC6015-2R2MC	2.2 ± 20%	48.0	55.0	4.50	6.50
SDMC6015-3R3MC	3.3 ± 20%	62.0	74.0	4.20	6.00
SDMC6015-4R7MC	4.7 ± 20%	96.0	111.0	3.80	5.00
SDMC6015-5R6MC	5.6 ± 20%	115.0	138.0	3.00	4.50
SDMC6015-6R8MC	6.8 ± 20%	128.0	148.0	2.60	3.50
SDMC6015-8R2MC	8.2 ± 20%	153.0	184.0	2.40	3.20
SDMC6015-100MC	10.0 ± 20%	180.0	216.0	2.30	2.80
SDMC6015-220MC	22.0 ± 20%	420.0	504.0	1.50	2.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

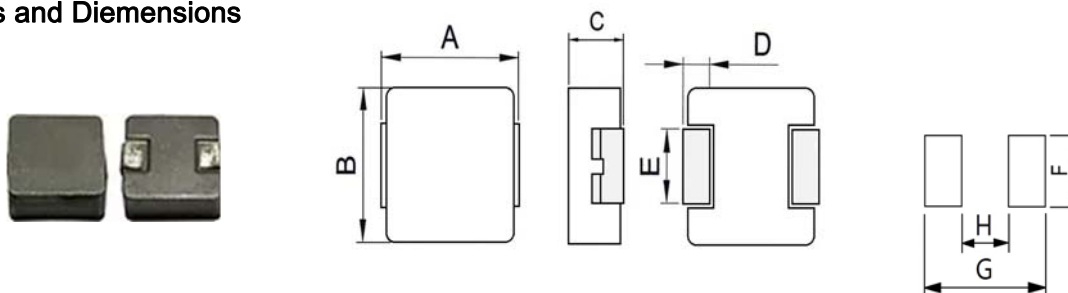
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6018	7.00 ± 0.3	6.60 ± 0.3	1.60 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6018-R22MC	0.22 ± 20%	2.5	3.0	16.00	26.00
SDMC6018-R33MC	0.33 ± 20%	4.8	5.8	14.00	22.00
SDMC6018-R47MC	0.47 ± 20%	6.4	7.4	12.00	18.00
SDMC6018-R68MC	0.68 ± 20%	9.5	11.0	10.00	17.00
SDMC6018-R82MC	0.82 ± 20%	11.5	14.0	8.50	15.50
SDMC6018-1R0MC	1.0 ± 20%	14.5	17.0	7.00	14.00
SDMC6018-1R2MC	1.2 ± 20%	20.0	24.0	6.50	13.50
SDMC6018-1R5MC	1.5 ± 20%	21.0	25.2	6.00	13.00
SDMC6018-2R2MC	2.2 ± 20%	31.0	35.0	6.00	11.00
SDMC6018-3R3MC	3.3 ± 20%	40.0	46.0	5.00	9.00
SDMC6018-4R7MC	4.7 ± 20%	68.0	76.0	4.00	7.00
SDMC6018-5R6MC	5.6 ± 20%	78.0	86.0	3.50	6.00
SDMC6018-6R8MC	6.8 ± 20%	93.0	104.0	3.00	5.50
SDMC6018-8R2MC	8.2 ± 20%	123.0	140.0	2.60	4.50
SDMC6018-100MC	10.0 ± 20%	143.0	160.0	2.30	3.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

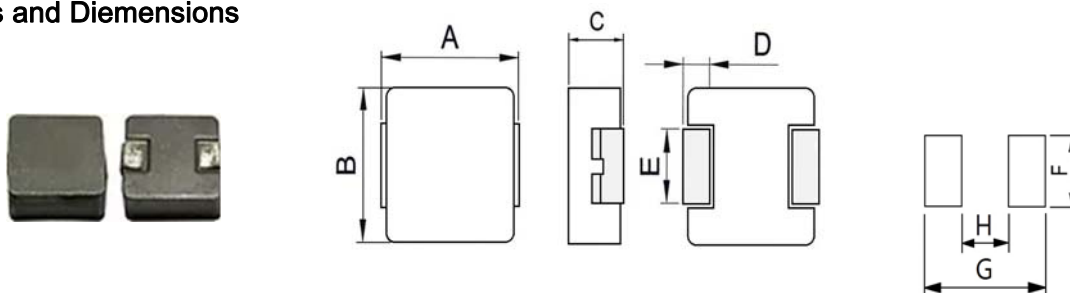
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6020	7.00 ± 0.3	6.60 ± 0.3	1.80 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6020-R10MC	0.10 ± 30%	2.0	2.4	21.0	40.0
SDMC6020-R20NC	0.20 ± 30%	2.5	3.0	18.0	35.0
SDMC6020-R33MC	0.33 ± 20%	4.5	5.0	14.0	25.0
SDMC6020-R47MC	0.47 ± 20%	7.1	8.3	11.7	20.0
SDMC6020-R68MC	0.68 ± 20%	8.3	10	10.5	16.0
SDMC6020-1R0MC	1.0 ± 20%	16.5	18	8.0	14.0
SDMC6020-1R5MC	1.5 ± 20%	23	27	7.0	12.0
SDMC6020-2R2MC	2.2 ± 20%	32	37	6.0	10.0
SDMC6020-3R3MC	3.3 ± 20%	43	48	5.0	8.0
SDMC6020-4R7MC	4.7 ± 20%	53	60	4.5	7.0
SDMC6020-5R6MC	5.6 ± 20%	59	68	4.0	6.0
SDMC6020-6R8MC	6.8 ± 20%	63	73	4.0	5.5
SDMC6020-8R2MC	8.2 ± 20%	101	116	3.2	5.0
SDMC6020-100MC	10.0 ± 20%	134	154	2.8	4.0
SDMC6020-220MC	22.0 ± 20%	236	280	1.5	2.5

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

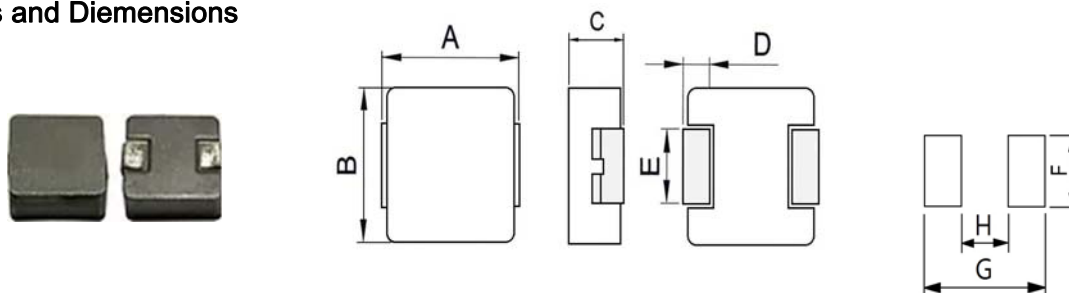
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 1,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6024	7.00 ± 0.3	6.60 ± 0.3	2.20 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6024-R22MC	0.22 ± 20%	2.0	3.2	21.0	34.0
SDMC6024-R33MC	0.33 ± 20%	3.6	4.4	18.0	30.0
SDMC6024-R47MC	0.47 ± 20%	4.8	5.1	15.0	26.0
SDMC6024-R56MC	0.56 ± 20%	5.5	6.5	13.0	24.0
SDMC6024-R68MC	0.68 ± 20%	6.4	7.2	13.0	21.0
SDMC6024-R82MC	0.82 ± 20%	8.0	9.5	11.0	17.0
SDMC6024-1R0MC	1.0 ± 20%	10.5	13.5	11.0	16.0
SDMC6024-1R5MC	1.5 ± 20%	17.0	20.0	9.0	15.0
SDMC6024-2R2MC	2.2 ± 20%	23.0	28.0	7.0	14.0
SDMC6024-3R3MC	3.3 ± 20%	34.0	39.0	6.0	10.0
SDMC6024-4R7MC	4.7 ± 20%	41.0	50.0	5.5	9.0
SDMC6024-5R6MC	5.6 ± 20%	56.0	62.0	5.0	8.0
SDMC6024-6R8MC	6.8 ± 20%	65.0	72.0	4.0	7.0
SDMC6024-100MC	10.0 ± 20%	92.0	101.0	3.2	5.0

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

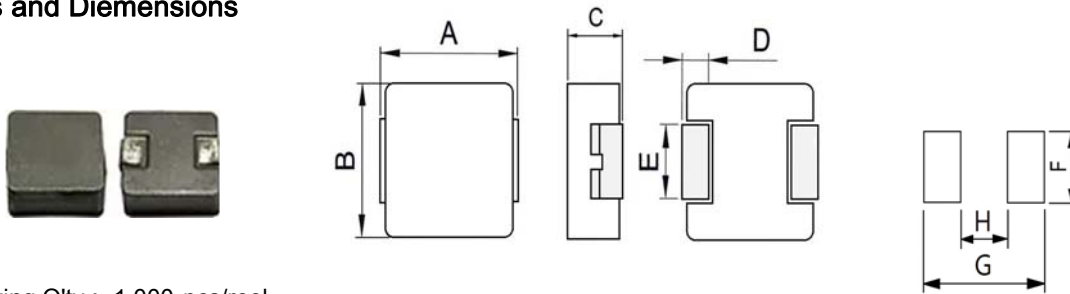
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6030	7.30 ± 0.3	6.60 ± 0.3	2.80 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	8.4	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6030-R10NC	0.10 ± 20%	1.2	1.7	32.50	60.00
SDMC6030-R15NC	0.15 ± 20%	1.5	1.9	27.00	45.00
SDMC6030-R22NC	0.22 ± 20%	2.1	2.8	23.00	40.00
SDMC6030-R33MC	0.33 ± 20%	3.5	3.9	20.00	32.00
SDMC6030-R47MC	0.47 ± 20%	4.0	4.2	17.50	26.00
SDMC6030-R56MC	0.56 ± 20%	4.7	5.0	16.50	25.50
SDMC6030-R68MC	0.68 ± 20%	4.8	5.5	15.50	25.00
SDMC6030-R82MC	0.82 ± 20%	6.7	8.0	13.00	24.00
SDMC6030-1R0MC	1.0 ± 20%	8.3	10.0	11.00	22.00
SDMC6030-1R5MC	1.5 ± 20%	13.0	15.0	9.00	18.00
SDMC6030-1R8MC	1.8 ± 20%	14.0	17.0	8.50	16.00
SDMC6030-2R2MC	2.2 ± 20%	18.0	20.0	8.00	14.00
SDMC6030-2R5MC	2.5 ± 20%	20.0	22.0	7.00	13.00
SDMC6030-3R3MC	3.3 ± 20%	26.0	30.0	6.00	13.50
SDMC6030-4R7MC	4.7 ± 20%	37.0	40.0	5.50	10.00
SDMC6030-5R6MC	5.6 ± 20%	43.0	48.0	5.00	9.00
SDMC6030-6R8MC	6.8 ± 20%	54.0	60.0	4.50	8.00
SDMC6030-8R2MC	8.2 ± 20%	64.0	68.0	4.00	7.50
SDMC6030-100MC	10 ± 20%	75.0	85.0	3.50	6.00

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

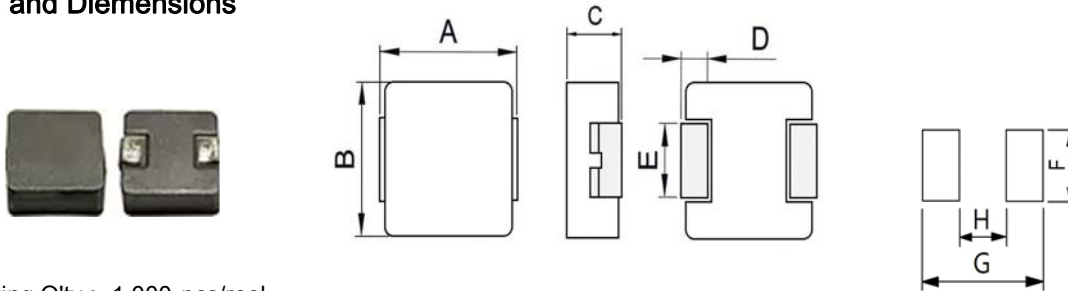
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6040	7.30 ± 0.3	6.60 ± 0.3	3.80 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	8.4	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6040-R10NC	0.15 ± 20%	0.9	1.2	30.00	55.00
SDMC6040-R47MC	0.47 ± 20%	3.0	3.4	23.00	28.00
SDMC6040-R68MC	0.68 ± 20%	4.1	4.5	16.00	24.00
SDMC6040-1R0MC	1.0 ± 20%	6.8	8.0	14.00	22.00
SDMC6040-2R2MC	2.2 ± 20%	11.5	14.0	9.00	14.00
SDMC6040-3R3MC	3.3 ± 20%	24.0	27.0	8.00	12.00
SDMC6040-4R7MC	4.7 ± 20%	28.0	32.5	6.00	11.00
SDMC6040-5R6MC	5.6 ± 20%	33.0	38.0	5.00	9.00
SDMC6040-6R8MC	6.8 ± 20%	44.0	50.0	4.50	8.50
SDMC6040-100MC	10 ± 20%	64.0	72.0	4.00	7.00
SDMC6040-150MC	15 ± 20%	80.0	90.0	3.00	3.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

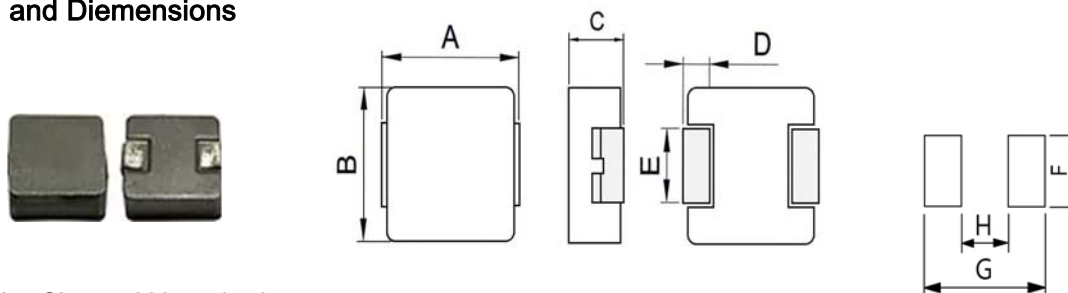
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 800 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6050	7.30 ± 0.3	6.60 ± 0.3	4.80 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	8.4	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6050-R33MC	0.33 ± 20%	2.5	3.0	25.00	32.00
SDMC6050-R47MC	0.47 ± 20%	3.5	3.9	22.00	30.00
SDMC6050-R56MC	0.56 ± 20%	3.6	4.2	20.00	27.00
SDMC6050-R60MC	0.60 ± 20%	3.8	4.3	19.00	25.00
SDMC6050-R68MC	0.68 ± 20%	4.0	4.5	18.00	24.00
SDMC6050-R82MC	0.82 ± 20%	4.6	4.9	16.50	22.00
SDMC6050-1R0MC	1.0 ± 20%	6.1	6.5	15.00	20.00
SDMC6050-1R2MC	1.2 ± 20%	6.7	7.5	14.00	18.00
SDMC6050-1R5MC	1.5 ± 20%	8.6	9.0	12.00	16.50
SDMC6050-1R8MC	1.8 ± 20%	9.5	11.0	12.00	15.00
SDMC6050-2R2MC	2.2 ± 20%	11.2	12.0	10.00	14.00
SDMC6050-3R3MC	3.3 ± 20%	19.0	20.9	8.00	12.00
SDMC6050-4R7MC	4.7 ± 20%	28.0	30.8	6.50	10.00
SDMC6050-5R6MC	5.6 ± 20%	43.5	49.0	6.00	9.00
SDMC6050-6R8MC	6.8 ± 20%	46.0	51.5	5.50	8.50
SDMC6050-8R2MC	8.2 ± 20%	56.0	63.0	5.00	8.00
SDMC6050-100MC	10 ± 20%	60.0	69.0	4.00	7.50
SDMC6050-220MC	22 ± 20%	140.0	170.0	2.25	5.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

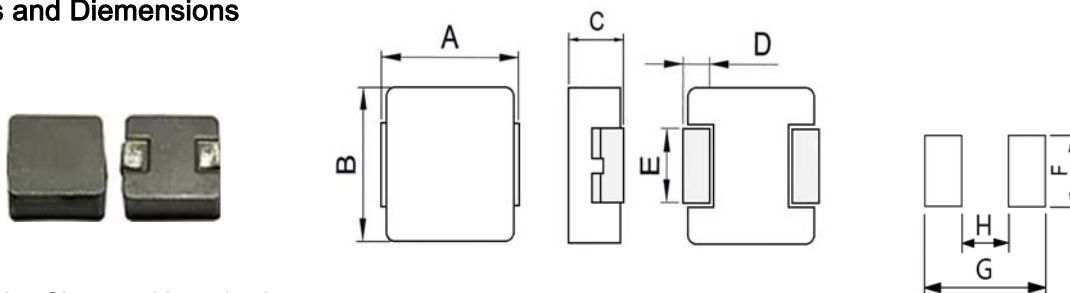
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC10040	11.00 ± 0.5	10.00 ± 0.3	3.80 ± 0.2	2.30 ± 0.3	3.00 ± 0.3	3.5	13.6	5.4

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC10040-R22NC	0.22 ± 30%	0.8	1.0	35.00	60.00
SDMC10040-R39MC	0.39 ± 20%	3.0	1.3	30.00	60.00
SDMC10040-R45MC	0.45 ± 20%	1.3	1.5	29.00	45.00
SDMC10040-R56MC	0.56 ± 20%	10.8	1.8	25.00	40.00
SDMC10040-1R0MC	1.0 ± 20%	3.0	3.3	18.00	36.00
SDMC10040-1R5MC	1.5 ± 20%	4.0	4.6	16.00	33.00
SDMC10040-2R2MC	2.2 ± 20%	6.5	7.0	12.00	27.00
SDMC10040-3R3MC	3.3 ± 20%	10.8	11.8	11.00	20.00
SDMC10040-4R7MC	4.7 ± 20%	15.0	15.5	10.00	17.00
SDMC10040-5R6MC	5.6 ± 20%	17.0	19.3	9.00	14.00
SDMC10040-6R8MC	6.8 ± 20%	17.5	23.3	8.50	13.50
SDMC10040-8R2MC	8.2 ± 20%	20.0	22.5	8.00	12.50
SDMC10040-100MC	10 ± 20%	27.0	30.0	7.50	12.00
SDMC10040-220MC	22 ± 20%	64.0	74.0	5.00	7.00
SDMC10040-330MC	33 ± 20%	92.0	112.0	3.50	5.00

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

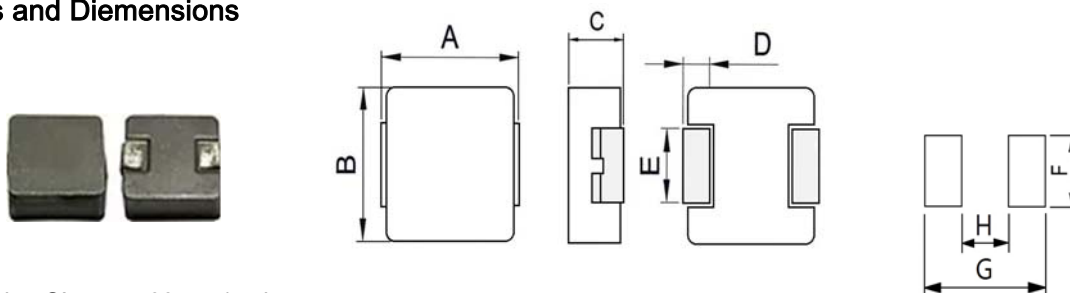
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC10050	11.00 ± 0.5	10.00 ± 0.3	4.80 ± 0.2	2.30 ± 0.3	3.00 ± 0.3	3.5	13.6	5.4

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC10050-R30MC	0.30 ± 20%	0.57	0.61	38.00	65.00
SDMC10050-1R0MC	1.00 ± 20%	2.80	3.50	22.00	30.00
SDMC10050-1R2MC	1.20 ± 20%	2.90	3.50	20.00	28.00
SDMC10050-1R5MC	1.50 ± 20%	3.50	4.10	19.00	27.00
SDMC10050-2R2MC	2.20 ± 20%	5.40	6.00	16.00	24.00
SDMC10050-3R3MC	3.30 ± 20%	9.00	10.40	14.00	22.00
SDMC10050-5R6MC	5.6 ± 20%	14.00	16.80	10.00	16.00
SDMC10050-100MC	10.0 ± 20%	25.00	29.00	8.00	13.50
SDMC10050-330MC	33.0 ± 20%	80.00	92.00	4.30	7.50
SDMC10050-470MC	47.0 ± 20%	125.00	145.00	3.80	6.50
SDMC10050-680MC	68.0 ± 20%	176.00	205.00	2.50	4.00

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

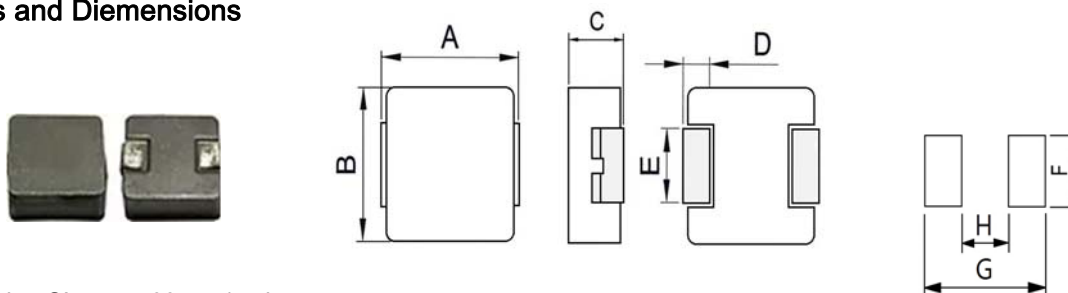
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC12535	13.50 ± 0.5	12.50 ± 0.3	3.30 ± 0.2	2.30 ± 0.3	4.70 ± 0.3	5	14.20	8.00

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC12535-R10NC	0.10 ± 30%	0.36	0.43	43.00	84.00
SDMC12535-R15NC	0.15 ± 30%	0.40	0.48	41.00	74.00
SDMC12535-R22NC	0.22 ± 20%	0.70	0.81	38.50	62.00
SDMC12535-R33NC	0.33 ± 20%	0.85	1.00	36.50	62.00
SDMC12535-R47MC	0.47 ± 20%	1.20	1.80	32.00	55.00
SDMC12535-R68MC	0.68 ± 20%	1.90	2.50	28.00	49.00
SDMC12535-R82MC	0.82 ± 20%	2.20	3.00	25.00	44.00
SDMC12535-1R0MC	1.00 ± 20%	2.70	3.50	24.00	40.00
SDMC12535-1R5MC	1.50 ± 20%	4.80	5.50	19.00	35.00
SDMC12535-1R8MC	1.80 ± 20%	5.20	7.00	17.00	30.00
SDMC12535-2R2MC	2.20 ± 20%	6.30	8.00	16.00	29.00
SDMC12535-3R3MC	3.30 ± 20%	11.00	13.50	12.00	27.00
SDMC12535-4R7MC	4.70 ± 20%	15.30	18.50	10.00	24.00
SDMC12535-5R6MC	5.60 ± 20%	18.00	22.00	9.50	19.00
SDMC12535-6R8MC	6.80 ± 20%	20.00	24.00	9.00	28.00
SDMC12535-8R2MC	8.20 ± 20%	23.00	28.00	8.50	16.00
SDMC12535-100MC	10.00 ± 20%	29.00	34.00	7.00	14.00

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

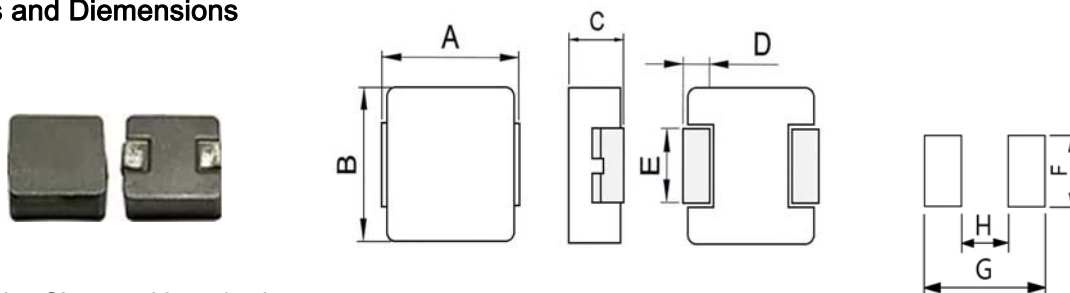
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC12550	13.50 ± 0.5	12.50 ± 0.3	4.80 ± 0.2	2.30 ± 0.3	4.70 ± 0.3	5	14.20	8.00

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC12550-R33MC	0.33 ± 20%	0.70	0.90	42.00	80.00
SDMC12550-R47MC	0.47 ± 20%	0.86	1.10	38.00	65.00
SDMC12550-R68MC	0.68 ± 20%	1.40	1.70	34.00	54.00
SDMC12550-1R0MC	1.00 ± 20%	1.85	2.50	29.00	50.00
SDMC12550-1R5MC	1.50 ± 20%	2.80	3.30	27.00	48.00
SDMC12550-1R8MC	1.80 ± 20%	4.00	4.90	21.00	48.00
SDMC12550-2R2MC	2.20 ± 20%	4.20	5.50	20.00	32.00
SDMC12550-3R3MC	3.30 ± 20%	6.80	9.20	15.00	32.00
SDMC12550-4R7MC	4.70 ± 20%	11.40	15.00	12.00	27.00
SDMC12550-6R8MC	6.80 ± 20%	14.50	18.50	11.00	21.00
SDMC12550-8R2MC	8.20 ± 20%	16.80	22.50	9.50	18.00
SDMC12550-100MC	10.0 ± 20%	21.40	25.50	9.00	16.00
SDMC12550-180MC	18.0 ± 20%	40.00	45.00	7.50	11.00

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

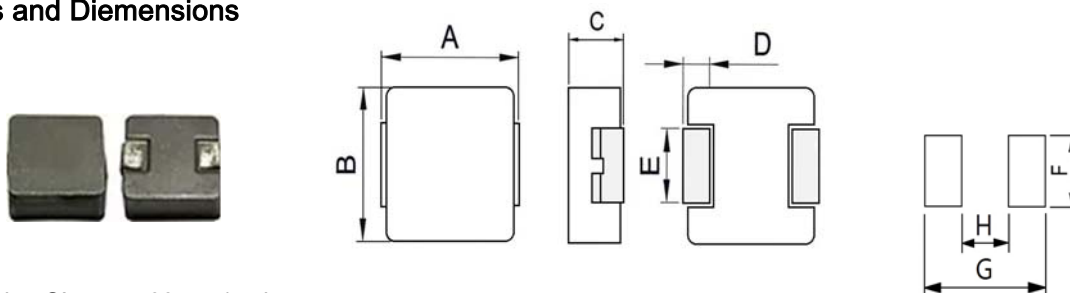
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC12560	13.50 ± 0.5	12.50 ± 0.3	5.70 ± 0.3	2.30 ± 0.3	4.70 ± 0.3	5	14.20	8.00

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC12560-1R0MC	1.0 ± 20%	1.80	2.40	29.00	45.00
SDMC12560-2R2MC	2.2 ± 20%	4.00	4.70	21.00	34.00
SDMC12560-3R3MC	3.3 ± 20%	5.80	7.10	17.00	28.00
SDMC12560-4R7MC	4.7 ± 20%	9.50	11.50	16.00	25.00
SDMC12560-5R6MC	5.6 ± 20%	10.80	12.60	15.50	22.00
SDMC12560-6R8MC	6.8 ± 20%	12.00	13.80	15.00	19.00
SDMC12560-100MC	10 ± 20%	18.00	20.70	11.00	15.50
SDMC12560-120MC	12 ± 20%	20.00	23.00	9.50	13.50
SDMC12560-150MC	15 ± 20%	25.00	29.00	9.00	13.00
SDMC12560-180MC	18 ± 20%	30.00	35.00	8.50	12.00
SDMC12560-220MC	22 ± 20%	34.00	39.50	8.00	11.00
SDMC12560-270MC	27 ± 20%	49.00	56.00	7.00	9.00
SDMC12560-330MC	33 ± 20%	65.00	75.00	6.00	8.00
SDMC12560-470MC	47 ± 20%	80.00	90.00	5.50	7.00
SDMC12560-680MC	68 ± 20%	120.00	140.00	5.00	6.00
SDMC12560-101MC	100 ± 20%	180.00	200.00	4.00	5.00
SDMC12560-121MC	120 ± 20%	210.00	235.00	3.50	4.50
SDMC12560-151MC	150 ± 20%	300.00	350.00	3.00	4.00

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

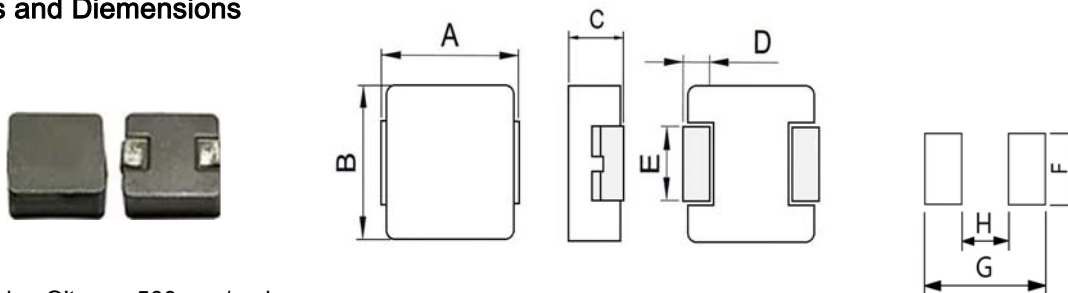
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC12565	13.50 ± 0.5	12.50 ± 0.3	6.20 ± 0.3	2.30 ± 0.3	4.70 ± 0.3	5	14.20	8.00

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC12565-R15MC	0.15 ± 20%	0.49	0.60	55.00	118.00
SDMC12565-R22MC	0.22 ± 20%	0.47	0.60	53.00	112.00
SDMC12565-R33MC	0.33 ± 20%	0.65	0.80	46.00	68.00
SDMC12565-R47MC	0.47 ± 20%	0.90	1.20	41.00	63.00
SDMC12565-R68MC	0.68 ± 20%	1.25	1.50	35.00	55.00
SDMC12565-R82MC	0.82 ± 20%	1.50	1.90	33.00	50.00
SDMC12565-1R0MC	1.00 ± 20%	1.70	2.30	30.00	48.00
SDMC12565-2R2MC	2.20 ± 20%	3.80	4.20	22.00	37.00
SDMC12565-3R3MC	3.30 ± 20%	5.70	6.80	18.00	30.00
SDMC12565-4R7MC	4.70 ± 20%	7.00	8.40	13.50	28.00
SDMC12565-5R6MC	5.60 ± 20%	8.50	10.00	12.50	23.00
SDMC12565-6R8MC	6.80 ± 20%	9.50	11.50	11.50	18.00
SDMC12565-8R2MC	8.20 ± 20%	12.00	15.50	10.50	16.00
SDMC12565-100MC	10.00 ± 20%	13.20	16.50	10.00	15.50
SDMC12565-220MC	22.00 ± 20%	32.50	37.00	9.00	12.00
SDMC12565-330MC	33.00 ± 20%	48.00	58.00	8.00	11.00
SDMC12565-470MC	47.00 ± 20%	76.00	90.00	6.50	9.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

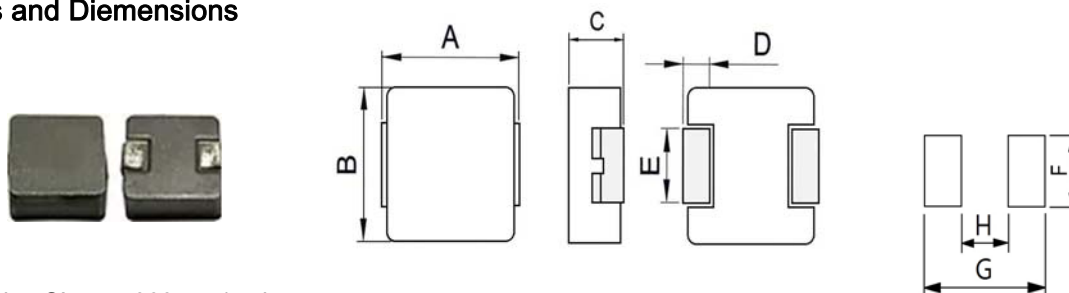
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 300 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC17070	17.30 ± 0.4	16.90 ± 0.3	6.70 ± 0.3	2.10 ± 0.3	11.90 ± 0.3	12.5	18.50	12.20

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC17070-2R2MC	2.2 ± 20%	2.4	2.7	43.50	47.00
SDMC17070-3R3MC	3.3 ± 20%	3.5	3.9	28.00	45.00
SDMC17070-4R7MC	4.7 ± 20%	4.8	5.5	25.00	41.00
SDMC17070-5R6MC	5.6 ± 20%	5.8	7.1	21.00	40.00
SDMC17070-6R8MC	6.8 ± 20%	8.4	9.2	19.00	32.00
SDMC17070-8R2MC	8.2 ± 20%	9.6	10.8	18.00	25.00
SDMC17070-100MC	10 ± 20%	11.8	13.0	16.50	24.00
SDMC17070-150MC	15 ± 20%	17.8	20.5	12.50	23.00
SDMC17070-220MC	22 ± 20%	25.1	26.5	12.00	18.00
SDMC17070-330MC	33 ± 20%	38.0	44.0	10.70	15.00
SDMC17070-470MC	47 ± 20%	48.0	55.0	8.70	9.50
SDMC17070-680MC	68 ± 20%	68.0	80.0	7.00	8.00
SDMC17070-101MC	100 ± 20%	102.0	118.0	5.30	6.50

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).

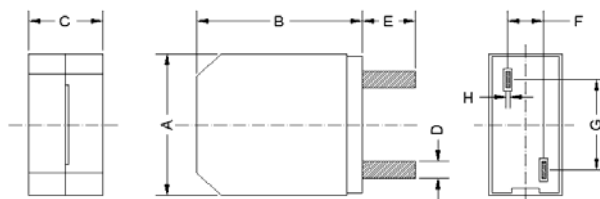
Features

- High Current application.
- Ferrite core construction.
- Magnetically shielded.
- RoHS compliance.

Applications

- Ideally used in Digital amplifier filter in Car radio, Home theater and large LCD etc..

Shapes and Dimensions



Type	A	B	C	D	E	F	G	H
DEP1315	13.5 Max.	15.0 Max.	7.0 Max.	1.8 ref.	5.0 ± 0.5	3.3 ± 0.5	8.4 ± 0.5	0.30-0.60

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
DEP1315-4R7M	4.7 ± 20%	1	5.4	17.00	11.60
DEP1315-5R6M	5.6 ± 20%	1	6.3	14.50	11.00
DEP1315-8R2M	8.2 ± 20%	1	9.6	12.50	7.80
DEP1315-100M	10.0 ± 20%	1	10.5	10.50	7.40
DEP1315-120M	12.0 ± 20%	1	17.5	10.00	5.90
DEP1315-150M	15.0 ± 20%	1	19.0	9.00	5.60
DEP1315-180M	18.0 ± 20%	1	20.2	8.30	5.40
DEP1315-220M	22.0 ± 20%	1	21.5	7.00	5.20

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

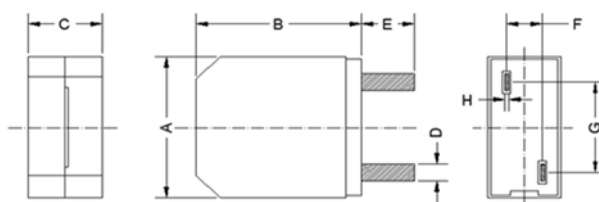
Features

- High Current application.
- Ferrite core construction.
- Magnetically shielded.
- RoHS compliance.

Applications

- Ideally used in Digital amplifier filter in Car radio, Home theater and large LCD etc..

Shapes and Dimensions



Type	A	B	C	D	E	F	G	H
DEP1416	14.5 Max.	16.0 Max.	10.2 Max.	1.8 ref.	5.0 ± 0.5	4.5 ± 0.5	9.0 ± 0.5	0.35-0.65

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
DEP1416-5R0M	5.0 ± 20%	1	5.1	18.50	14.20
DEP1416-100M	10.0 ± 20%	1	9.1	13.50	11.70
DEP1416-150M	15.0 ± 20%	1	9.5	8.50	11.20
DEP1416-180M	18.0 ± 20%	1	10.1	7.90	9.60
DEP1416-220M	22.0 ± 20%	1	11.4	7.30	8.50
DEP1416-270M	27.0 ± 20%	1	13.8	6.50	7.70
DEP1416-330M	33.0 ± 20%	1	15.0	5.90	7.20

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

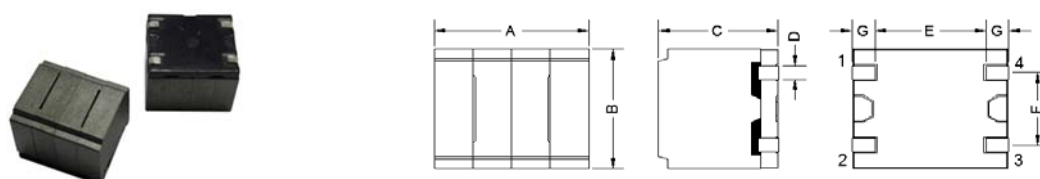
Features

- Compact size using flat wire for surface mount purpose.
- Low radiation noise by magnetically shielded construction.
- Super high current and Low resistance.
- The optimal design realizes high quality sound and low distortion.
- Space reduction is realized by 2 in 1 construction.

Applications

- Suitable as choke for digital amplifier car audio, LCD and PDP TV, 5.1ch Home theater.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SDEP1010	12.8 ± 0.8	10.5 ± 0.5	10.5 Max.	1.2 ref.	9.0 ref.	6.4 ref.	1.9 ref.

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDEP1010-100MB	10.0 ± 20%	1	18.0	7.10	4.20
SDEP1010-120MB	12.0 ± 20%	1	20.0	6.00	4.00
SDEP1010-150MB	15.0 ± 20%	1	23.0	5.30	3.80
SDEP1010-220MB	22.0 ± 20%	1	38.0	4.30	3.50

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

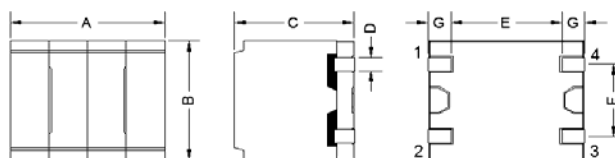
Features

- Compact size using flat wire for surface mount purpose.
- Low radiation noise by magnetically shielded construction.
- Super high current and Low resistance.
- The optimal design realizes high quality sound and low distortion.
- Space reduction is realized by 2 in 1 construction.

Applications

- Suitable as choke for digital amplifier car audio, LCD and PDP TV, 5.1ch Home theater.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SDEP1013	10.5 ± 0.5	10.5 ± 0.5	13.0 Max.	1.2 ref.	7.0 ref.	6.4 ref.	1.9 ref.

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDEP1013-6R8MB	6.8 ± 20%	1	15.20	11.00	6.50
SDEP1013-8R2MB	8.2 ± 20%	1	16.50	10.00	5.80
SDEP1013-100MB	10.0 ± 20%	1	23.40	8.60	5.00
SDEP1013-120MB	12.0 ± 20%	1	25.00	7.30	5.00
SDEP1013-150MB	15.0 ± 20%	1	25.00	5.70	5.00
SDEP1013-180MB	18.0 ± 20%	1	25.00	4.60	5.00
SDEP1013-220MB	22.0 ± 20%	1	25.00	3.50	5.00

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

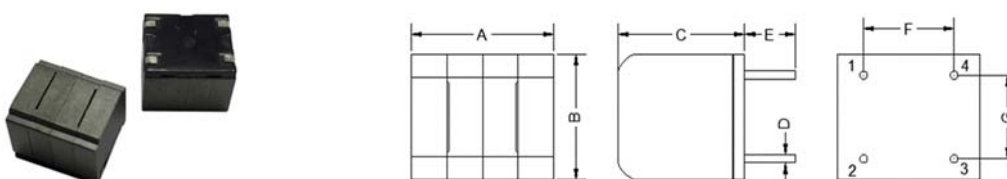
Features

- Compact size using flat wire for surface mount purpose.
- Low radiation noise by magnetically shielded construction.
- Super high current and Low resistance.
- The optimal design realizes high quality sound and low distortion.
- Space reduction is realized by 2 in 1 construction.

Applications

- Suitable as choke for digital amplifier car audio, LCD and PDP TV, 5.1ch Home theater.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SDEP1416	15.5 ± 0.5	14.5 ± 0.5	16.0 Max.	0.8 ± 0.1	5.0 ± 0.5	11.5 ± 0.5	8.5 ± 0.5

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDEP1416-6R0MB	6.0 ± 20%	1	8.20	17.00	11.00
SDEP1416-100MB	7.5 ± 20%	1	9.30	16.00	9.00
SDEP1416-150MB	10.0 ± 20%	1	13.50	13.00	8.00
SDEP1416-220MB	15.0 ± 20%	1	17.50	11.00	6.80
SDEP1416-330MB	18.0 ± 20%	1	17.50	9.70	6.80
SDEP1416-470MB	22.0 ± 20%	1	17.50	8.30	6.80

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

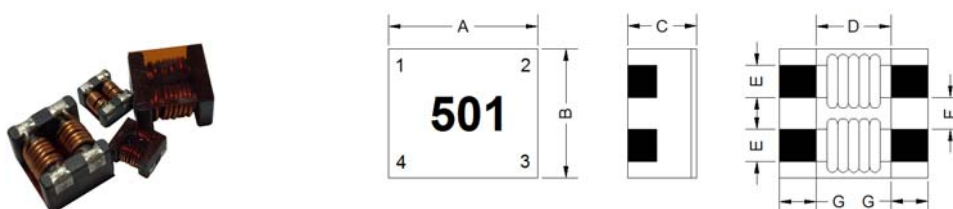
Features

- SMD construction and Low profile.
- High impedance and Excellent frequency characteristic.
- Self Electromagnetic Shielding.
- Low magnetic Flux Leakage.

Applications

- LED Light, TV game, Monitor etc. EMI common-mode noise.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SCM7060	7.0 ± 0.5	6.0 ± 0.5	3.8 Max.	3.5 ref.	1.5 ± 0.2	1.5 ± 0.2	1.75 ± 0.2

Electrical Characteristics

Part No.	Z(Ω) at 100MHz		D.C.R max. (mΩ)	Rated Current (A)	IR (mΩ) min.	Rated Voltage (V) max.
	min.	typ.				
SCM7060-400T150	40	70	5	15.0	10.0	125.0
SCM7060-101T90	100	140	10	9.0	11.0	125.0
SCM7060-301T50	225	300	10	5.0	12.0	125.0
SCM7060-501T50	275	350	10	5.0	13.0	125.0
SCM7060-701T40	500	700	15	4.0	14.0	125.0
SCM7060-102T30	800	1020	17	3.0	15.0	125.0
SCM7060-132T25	910	1300	21	2.5	16.0	125.0
SCM7060-272T10	2000	2700	63	1.0	17.0	125.0
SCM7060-302T09	2500	3000	75	0.9	18.0	125.0

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

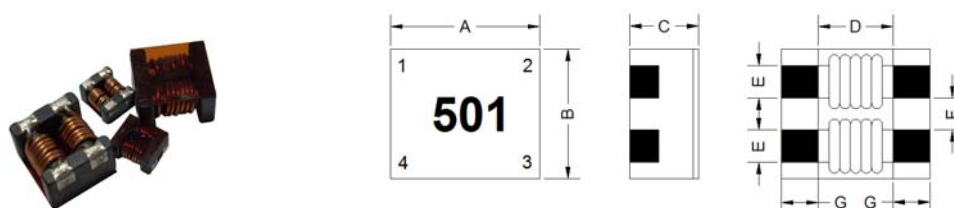
Features

- SMD construction and Low profile.
- High impedance and Excellent frequency characteristic.
- Self Electromagnetic Shielding.
- Low magnetic Flux Leakage.

Applications

- LED Light, TV game, Monitor etc. EMI common-mode noise.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SCM9070	9.0 ± 0.5	7.0 ± 0.5	4.8 Max.	5.7 ref.	1.5 ± 0.2	2.0 ± 0.2	1.70 ± 0.2

Electrical Characteristics

Part No.	Z(Ω) at 100MHz		D.C.R max. (mΩ)	Rated Current (A)	IR (mΩ) min.	Rated Voltage (V) max.
	min.	typ.				
SCM9070-301T60	225	300	6	6.0	10.0	50.0
SCM9070-501T55	450	600	8	5.5	11.0	50.0
SCM9070-701T50	500	700	10	5.0	12.0	50.0
SCM9070-102T40	700	1000	13	4.0	13.0	50.0
SCM9070-222T25	1700	2200	60	2.5	14.0	50.0

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

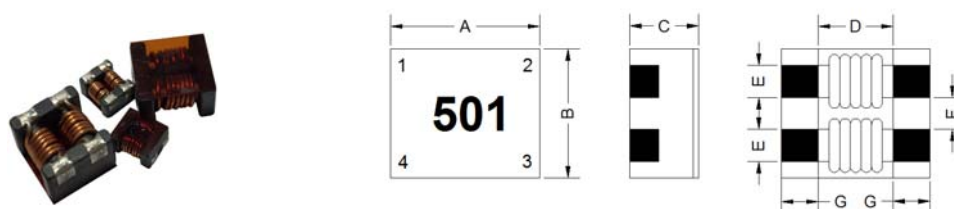
Features

- SMD construction and Low profile.
- High impedance and Excellent frequency characteristic.
- Self Electromagnetic Shielding.
- Low magnetic Flux Leakage.

Applications

- LED Light, TV game, Monitor etc. EMI common-mode noise.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SCM12011	12.0 ± 0.5	10.8 ± 0.5	6.4 Max.	7.0 ref.	2.7 ± 0.2	2.5 ± 0.2	2.50 ± 0.2

Electrical Characteristics

Part No.	Z(Ω) at 100MHz		D.C.R max. (mΩ)	Rated Current (A)	IR (mΩ) min.	Rated Voltage (V) max.
	min.	typ.				
SCM12011-800T100	80	230	2	10.0	10.0	125.0
SCM12011-701T80	500	700	6	8.0	11.0	126.0
SCM12011-801T80	600	800	8	8.0	12.0	127.0
SCM12011-102T60	750	1000	14	6.0	13.0	128.0
SCM12011-222T18	2200	2500	35	1.8	14.0	129.0
SCM12011-272T16	2300	2700	50	1.8	14.0	130.0

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

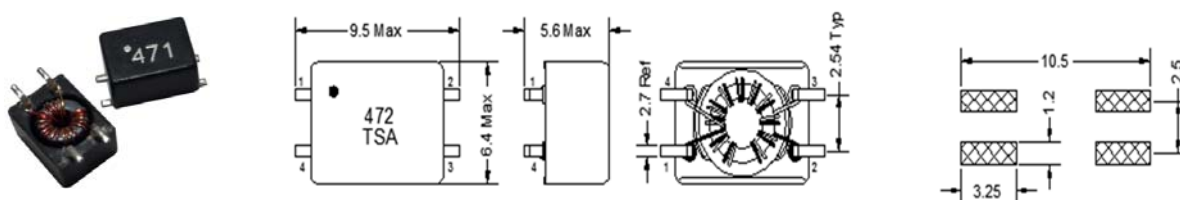
Features

- Low profile and SMD construction.
- High Inductance.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage.

Applications

- For LED lighting, TV game and Monitor etc...EMI common-mode noise.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
BCM0402-471NC	$0.47 \pm 30\%$	1	3.00	0.70
BCM0402-102NC	$1.00 \pm 30\%$	1	3.00	0.70
BCM0402-222NC	$2.20 \pm 30\%$	1	4.00	0.50
BCM0402-472NC	$4.70 \pm 30\%$	1	7.00	0.40

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

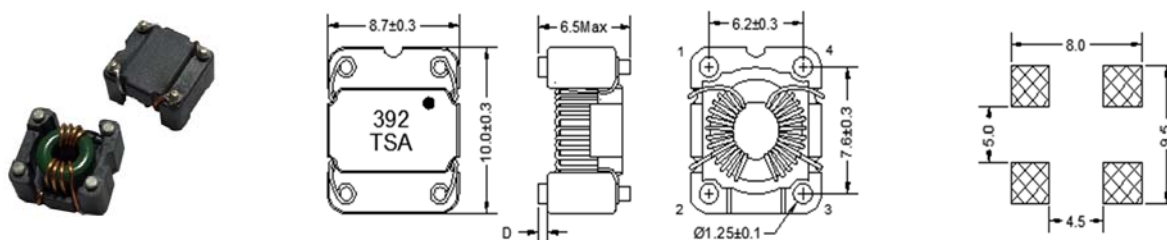
Features

- Low profile and SMD construction.
- High Inductance.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage.

Applications

- For LED lighting, TV game and Monitor etc...EMI common-mode noise.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
BCM0603-121NC	0.12 ± 30%	1	8.5	2.90
BCM0603-241NC	0.24 ± 30%	1	12.5	2.30
BCM0603-301NC	0.30 ± 30%	1	15.5	1.90
BCM0603-501NC	0.50 ± 30%	1	29.5	1.20
BCM0603-701NC	0.70 ± 30%	1	47.0	0.85
BCM0603-102NC	1.00 ± 30%	1	98.0	0.55
BCM0603-202NC	2.00 ± 30%	1	253.0	0.25
BCM0603-302NC	3.00 ± 30%	1	485.0	0.15
BCM0603-392NC	3.90 ± 30%	1	640.0	0.12

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

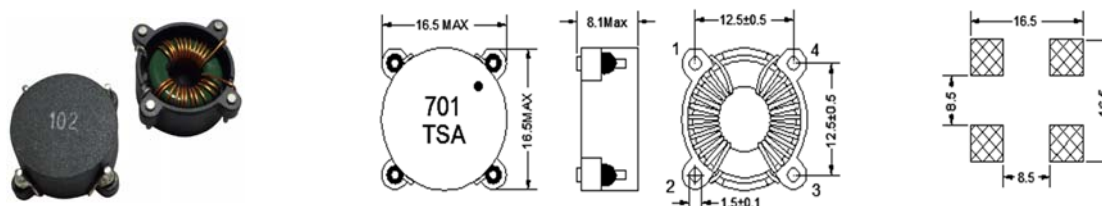
Features

- Low profile and SMD construction.
- High Inductance.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage.

Applications

- For LED lighting, TV game and Monitor etc...EMI common-mode noise.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Electrical Characteristics

Part Number	Inductance (μ H)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated Current (A) max.
BCM1205-381NC	$0.38 \pm 30\%$	1	15.00	4.50
BCM1205-721NC	$0.72 \pm 30\%$	1	18.50	3.60
BCM1205-102NC	$1.00 \pm 30\%$	1	26.50	2.90
BCM1205-202NC	$2.00 \pm 30\%$	1	46.50	1.90
BCM1205-302NC	$3.00 \pm 30\%$	1	97.00	1.20
BCM1205-472NC	$4.70 \pm 30\%$	1	215.00	0.75
BCM1205-702NC	$7.00 \pm 30\%$	1	375.00	0.45
BCM1205-103NC	$10.00 \pm 30\%$	1	650.00	0.35

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient

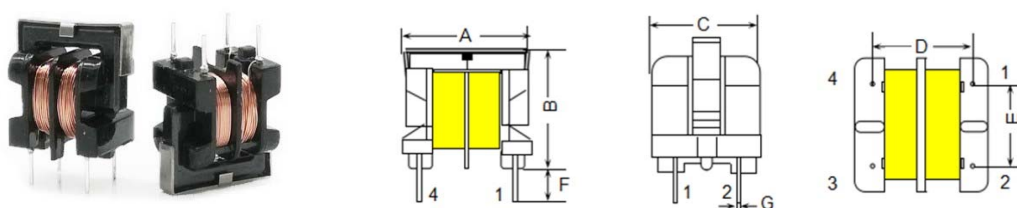
Features

- Common mode chokes for AC power lines
- High impedance to minimize common mode noise
- Excellent EMI performance
- Vertical type

Applications

- Common Mode Chokes for Effective AC line Noise Prevention.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
UU9.8V	16.5 Max.	16.5 Max.	12.0 Max.	8.0 ± 0.5	7.5 ± 0.5	3.5 ± 0.5	0.60 ± 0.1

Electrical Characteristics

Part Number	0CL @1KHz,0.25V	DCR (Ω Max)	Turns Ratio	Rated Current (A Max) ΔT≤40°C	Hi-Pot 1mA/2s/60Hz(Vac)
	1-2, 4-3	1-2, 4-3	1-2, 4-3		
UU9.8-102V	1.00	0.5	1:1	0.7	1,000
UU9.8-502V	5.00	0.5	1:1	0.6	1,000
UU9.8-103V	10.00	0.6	1:1	0.5	1,000
UU9.8-153V	16.00	1.5	1:1	0.4	1,000
UU9.8-203V	20.00	2.0	1:1	0.3	1,000
UU9.8-303V	30.00	3.0	1:1	0.3	1,000
UU9.8-403V	40.00	4.0	1:1	0.3	1,000
UU9.8-503V	50.00	5.0	1:1	0.26	1,000

NOTES:

Operate temperature range:-40°C to +125°C (Including self temperature rise)

Storage temperature range:-40°C to +125°C

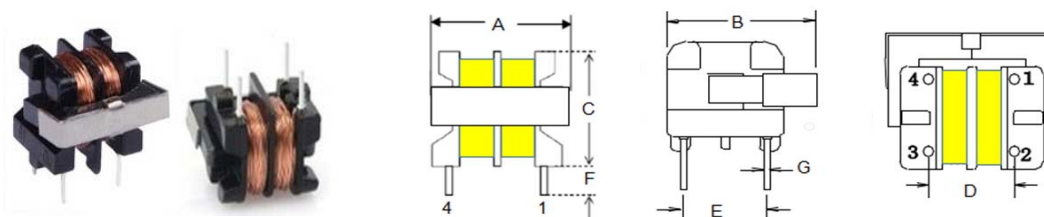
Features

- Common mode chokes for AC power lines
- High impedance to minimize common mode noise
- Excellent EMI performance
- Horizontal type

Applications

- Common Mode Chokes for Effective AC line Noise Prevention.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
UU9.8H	17.0 Max.	16.0 Max.	13.0 Max.	8.0 ± 0.5	7.0 ± 0.5	3.5 ± 0.5	0.60 ± 0.1

Electrical Characteristics

Part Number	0CL @1KHz,0.25V	DCR (Ω Max)	Turns Ratio	Rated Current (A Max) ΔT≤40°C	Hi-Pot 1mA/2s/60Hz(Vac)
	1-2, 4-3	1-2, 4-3	1-2, 4-3		
UU9.8-102H	1.00	0.5	1:1	0.7	1,000
UU9.8-502H	5.00	0.5	1:1	0.6	1,000
UU9.8-103H	10.00	0.6	1:1	0.5	1,000
UU9.8-153H	16.00	1.5	1:1	0.4	1,000
UU9.8-203H	20.00	2.0	1:1	0.3	1,000
UU9.8-303H	30.00	3.0	1:1	0.3	1,000
UU9.8-403H	40.00	4.0	1:1	0.3	1,000
UU9.8-503H	50.00	5.0	1:1	0.26	1,000

NOTES:

Operate temperature range:-40°C to +125°C (Including self temperature rise)

Storage temperature range:-40°C to +125°C

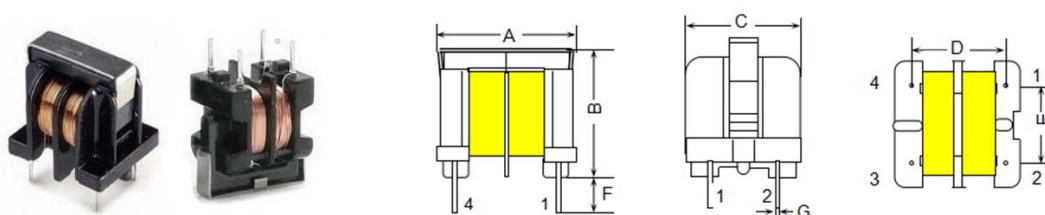
Features

- Common mode chokes for AC power lines
- High impedance to minimize common mode noise
- Excellent EMI performance
- Vertical type

Applications

- Common Mode Chokes for Effective AC line Noise Prevention.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
UU10.5V	18.5 Max.	20.0 Max.	17.0 Max.	13.0 ± 0.5	10.0 ± 0.5	3.5 ± 0.5	0.70 ± 0.1

Electrical Characteristics

Part Number	0CL @1KHz,0.25V	DCR (Ω Max)	Turns Ratio	Rated Current (A Max) ΔT≤40°C	Hi-Pot 1mA/2s/60Hz(Vac)
	1-2, 4-3	1-2, 4-3	1-2, 4-3		
UU10.5-102V	1.00	0.5	1:1	2	1,000
UU10.5-502V	5.00	0.5	1:1	1.3	1,000
UU10.5-103V	10.00	0.6	1:1	1.1	1,000
UU10.5-153V	16.00	1.5	1:1	1.1	1,000
UU10.5-203V	20.00	2.0	1:1	0.8	1,000
UU10.5-303V	30.00	3.0	1:1	0.65	1,000
UU10.5-403V	40.00	4.0	1:1	0.65	1,000
UU10.5-503V	50.00	5.0	1:1	0.65	1,000

NOTES:

Operate temperature range:-40°C to +125°C (Including self temperature rise)

Storage temperature range:-40°C to +125°C

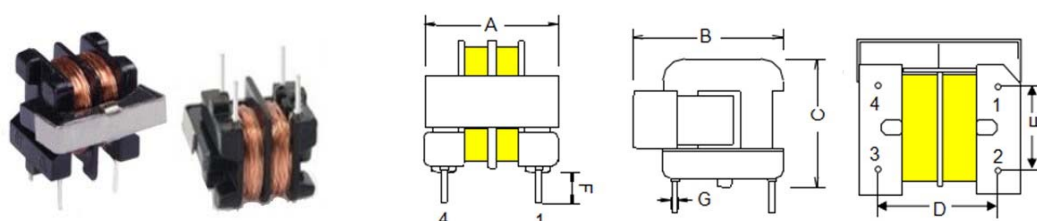
Features

- Common mode chokes for AC power lines
- High impedance to minimize common mode noise
- Excellent EMI performance
- Horizontal type

Applications

- Common Mode Chokes for Effective AC line Noise Prevention.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
UU10.5H	18.5 Max.	19.0 Max.	16.5 Max.	13.0 ± 0.5	10.0 ± 0.5	3.5 ± 0.5	0.70 ± 0.1

Electrical Characteristics

Part Number	0CL @1KHz,0.25V	DCR (Ω Max)	Turns Ratio	Rated Current (A Max) ΔT≤40°C	Hi-Pot 1mA/2s/60Hz(Vac)
	1-2, 4-3	1-2, 4-3	1-2, 4-3		
UU10.5-102H	1.00	0.5	1:1	2	1,000
UU10.5-502H	5.00	0.6	1:1	1.3	1,000
UU10.5-103H	10.00	0.6	1:1	1.1	1,000
UU10.5-153H	16.00	1.5	1:1	1.1	1,000
UU10.5-203H	20.00	2.0	1:1	0.8	1,000
UU10.5-303H	30.00	3.0	1:1	0.65	1,000
UU10.5-403H	40.00	4.0	1:1	0.65	1,000
UU10.5-503H	50.00	5.0	1:1	0.65	1,000

NOTES:

Operate temperature range:-40°C to +125°C (Including self temperature rise)

Storage temperature range:-40°C to +125°C

Features

- RC Series is available I 120 standard values. covering a wide range of inductance and cureent.
- The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply applixation and wherever high current choke values in a smal physical size are needed.

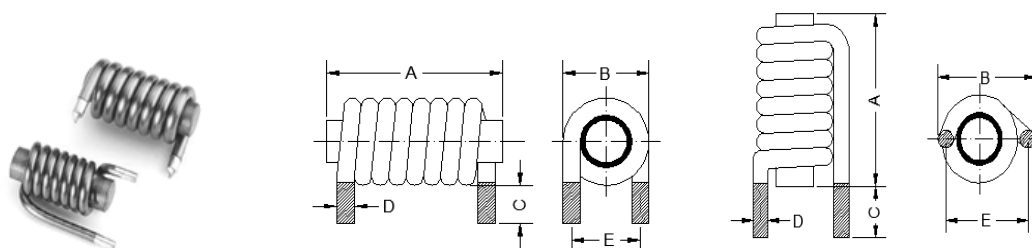
Applications

- Excellent for poer line DC-DC conversion applications used in Power Switching, personal computers and electronic equipments

Shapes and Dimensions

Horizontal type

Vertical type



Type	A	B	C	D	E
RC0520H	20.0 ± 0.5	8.5 max.	5.0 ± 0.5	0.5~1.5	6.0~7.0
RC0520V	20.0 ± 0.5	10.5 max.	5.0 ± 0.5	0.5~1.5	6.5~8.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Irms (A) max.
RC0520H/V-100MB	10.0 ± 20%	1	0.040	2.60
RC0520H/V-120MB	12.0 ± 20%	1	0.050	2.30
RC0520H/V-150MB	15.0 ± 20%	1	0.060	1.90
RC0520H/V-180MB	18.0 ± 20%	1	0.080	1.60
RC0520H/V-220MB	22.0 ± 20%	1	0.100	1.30
RC0520H/V-270MB	27.0 ± 20%	1	0.150	1.00

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

Features

- RC Series is available I 120 standard values. covering a wide range of inductance and current.
- The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply application and wherever high current choke values in a small physical size are needed.

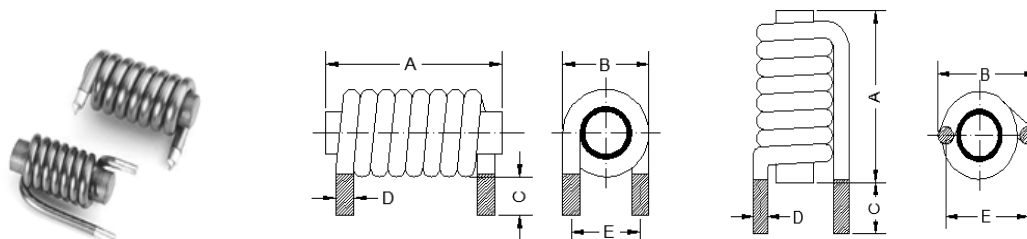
Applications

- Excellent for power line DC-DC conversion applications used in Power Switching, personal computers and electronic equipments

Shapes and Dimensions

Horizontal type

Vertical type



Type	A	B	C	D	E
RC0630H	30.0 ± 0.5	10.5 max.	5.0 ± 0.5	0.5~2.0	7.0~9.5
RC0630V	30.0 ± 0.5	12.5 max.	5.0 ± 0.5	0.5~2.0	7.5~10.5

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	I _{rms} (A) max.
RC0630H/V-4R7MB	4.7 ± 20%	1	0.005	16.50
RC0630H/V-5R6MB	5.6 ± 20%	1	0.006	16.00
RC0630H/V-6R8MB	6.8 ± 20%	1	0.008	10.50
RC0630H/V-8R2MB	8.2 ± 20%	1	0.009	9.00
RC0630H/V-100MB	10.0 ± 20%	1	0.010	8.00
RC0630H/V-120MB	12.0 ± 20%	1	0.018	6.50
RC0630H/V-150MB	15.0 ± 20%	1	0.023	5.00
RC0630H/V-180MB	18.0 ± 20%	1	0.030	4.00
RC0630H/V-220MB	22.0 ± 20%	1	0.045	3.00
RC0630H/V-270MB	27.0 ± 20%	1	0.050	2.70
RC0630H/V-330MB	33.0 ± 20%	1	0.060	2.50
RC0630H/V-390MB	39.0 ± 20%	1	0.080	2.30
RC0630H/V-470MB	47.0 ± 20%	1	0.110	1.90
RC0630H/V-560MB	56.0 ± 20%	1	0.140	1.60

NOTES:

I_{sat}: DC current at which the inductance drops approximately 30% from its value without current.

I_{rms}: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

Features

- RC Series is available I 120 standard values. covering a wide range of inductance and current.
- The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply application and wherever high current choke values in a small physical size are needed.

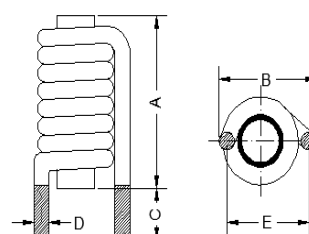
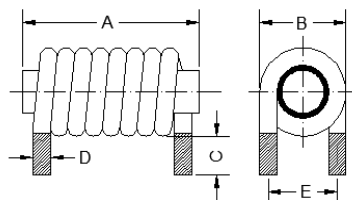
Applications

- Excellent for power line DC-DC conversion applications used in Power Switching, personal computers and electronic equipments

Shapes and Dimensions

Horizontal type

Vertical type



Type	A	B	C	D	E
RC0820H	20.0 ± 0.5	13.0 max.	5.0 ± 0.5	1.0~2.5	9.5~12.5
RC0820V	20.0 ± 0.5	15.0 max.	5.0 ± 0.5	1.0~2.5	10.5~15.0

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	I _{rms} (A) max.
RC0820H/V-2R0MB	2.0 ± 20%	1	0.004	20.00
RC0820H/V-5R0MB	5.0 ± 20%	1	0.010	18.00
RC0820H/V-100MB	10.0 ± 20%	1	0.015	12.00
RC0820H/V-150MB	15.0 ± 20%	1	0.020	9.00
RC0820H/V-220MB	22.0 ± 20%	1	0.027	7.00
RC0820H/V-270MB	27.0 ± 20%	1	0.035	5.00

NOTES:

I_{sat}: DC current at which the inductance drops approximately 30% from its value without current.

I_{rms}: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient

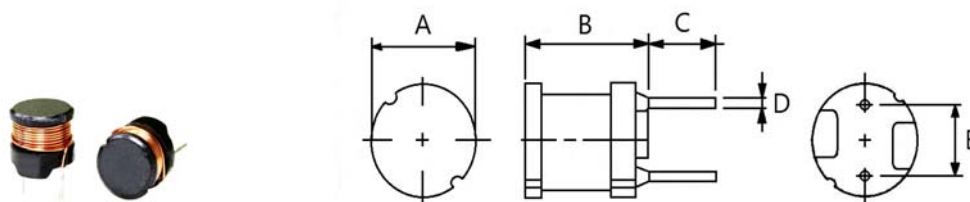
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Power supplies, DC-DC converters, TVs, VTRs, computer peripherals, home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH654	6.0 ± 0.5	5.5 max.	4.0 ± 1.0	0.50 ± 0.05	4.0 ±0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH654-1R0M	1.0 ± 20%	7.96 MHz	0.029	3.00
RCH654-1R5M	1.5 ± 20%	7.96 MHz	0.034	2.85
RCH654-2R0M	2.0 ± 20%	7.96 MHz	0.039	2.48
RCH654-2R5M	2.5 ± 20%	7.96 MHz	0.043	2.21
RCH654-3R3M	3.3 ± 20%	7.96 MHz	0.048	1.98
RCH654-3R9M	3.9 ± 20%	7.96 MHz	0.055	1.83
RCH654-4R7M	4.7 ± 20%	7.96 MHz	0.060	1.74
RCH654-5R6M	5.6 ± 20%	7.96 MHz	0.066	1.53
RCH654-6R2M	6.2 ± 20%	7.96 MHz	0.072	1.44
RCH654-7R2M	7.2 ± 20%	7.96 MHz	0.078	1.35
RCH654-8R2M	8.2 ± 20%	7.96 MHz	0.085	1.26
RCH654-100K	10 ± 10%	7.96 MHz	0.091	1.20
RCH654-120K	12 ± 10%	2.52 MHz	0.100	1.05
RCH654-150K	15 ± 10%	2.52 MHz	0.120	0.98
RCH654-180K	18 ± 10%	2.52 MHz	0.130	0.93
RCH654-220K	22 ± 10%	2.52 MHz	0.180	0.90
RCH654-270K	27 ± 10%	2.52 MHz	0.210	0.81
RCH654-330K	33 ± 10%	2.52 MHz	0.270	0.74
RCH654-390K	39 ± 10%	2.52 MHz	0.290	0.68
RCH654-470K	47 ± 10%	2.52 MHz	0.340	0.62
RCH654-560K	56 ± 10%	2.52 MHz	0.420	0.57
RCH654-680K	68 ± 10%	2.52 MHz	0.480	0.51
RCH654-820K	82 ± 10%	2.52 MHz	0.550	0.47

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH654-101K	100 $\pm$ 10%	1 KHz	0.680	0.42
RCH654-121K	120 $\pm$ 10%	1 KHz	0.770	0.39
RCH654-151K	150 $\pm$ 10%	1 KHz	0.950	0.35
RCH654-181K	180 $\pm$ 10%	1 KHz	1.150	0.32
RCH654-221K	220 $\pm$ 10%	1 KHz	1.300	0.29
RCH654-271K	270 $\pm$ 10%	1 KHz	1.550	0.26
RCH654-331K	330 $\pm$ 10%	1 KHz	2.180	0.23
RCH654-391K	390 $\pm$ 10%	1 KHz	2.470	0.21
RCH654-471K	470 $\pm$ 10%	1 KHz	2.920	0.20
RCH654-561K	560 $\pm$ 10%	1 KHz	3.970	0.18
RCH654-681K	680 $\pm$ 10%	1 KHz	4.570	0.16
RCH654-852K	850 $\pm$ 10%	1 KHz	5.280	0.15
RCH654-102K	1,000 $\pm$ 10%	1 KHz	7.060	0.13

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

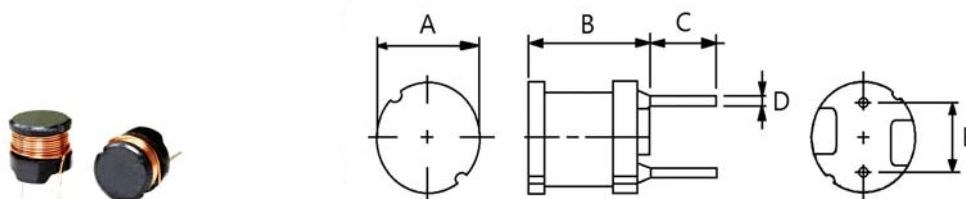
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Power supplies, DC-DC converters, TVs, VTRs, computer peripherals, home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH664	6.0 ± 0.5	6.8 max.	4.0 ± 1.0	0.50 ± 0.05	4.0 ±0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH664-1R0M	1.0 ± 20%	7.96 MHz	0.018	4.00
RCH664-1R3M	1.3 ± 20%	7.96 MHz	0.021	3.70
RCH664-1R7M	1.7 ± 20%	7.96 MHz	0.023	3.52
RCH664-2R2M	2.2 ± 20%	7.96 MHz	0.026	3.20
RCH664-2R7M	2.7 ± 20%	7.96 MHz	0.028	3.00
RCH664-3R3M	3.3 ± 20%	7.96 MHz	0.031	2.83
RCH664-3R9M	3.9 ± 20%	7.96 MHz	0.033	2.63
RCH664-4R7M	4.7 ± 20%	7.96 MHz	0.036	2.43
RCH664-5R5M	5.5 ± 20%	7.96 MHz	0.040	2.30
RCH664-6R3M	6.3 ± 20%	7.96 MHz	0.043	2.14
RCH664-7R2M	7.2 ± 20%	7.96 MHz	0.046	2.09
RCH664-8R1M	8.1 ± 20%	7.96 MHz	0.050	1.99
RCH664-9R1M	9.1 ± 20%	7.96 MHz	0.053	1.86
RCH664-100M	10 ± 20%	7.96 MHz	0.057	1.75
RCH664-110L	11 ± 15%	2.52 MHz	0.060	1.64
RCH664-120L	12 ± 15%	2.52 MHz	0.063	1.52
RCH664-130L	13 ± 15%	2.52 MHz	0.067	1.48
RCH664-140L	14 ± 15%	2.52 MHz	0.070	1.44
RCH664-150L	15 ± 15%	2.52 MHz	0.074	1.40
RCH664-160L	16 ± 15%	2.52 MHz	0.079	1.33
RCH664-180L	18 ± 15%	2.52 MHz	0.084	1.30
RCH664-220K	22 ± 10%	2.52 MHz	0.110	1.27
RCH664-270K	27 ± 10%	2.52 MHz	0.140	1.14
RCH664-330K	33 ± 10%	2.52 MHz	0.170	1.03
RCH664-390K	39 ± 10%	2.52 MHz	0.190	0.95
RCH664-470K	47 ± 10%	2.52 MHz	0.230	0.87

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH664-560K	56 $\pm$ 10%	2.52 MHz	0.260	0.80
RCH664-680K	68 $\pm$ 10%	2.52 MHz	0.280	0.72
RCH664-820K	82 $\pm$ 10%	2.52 MHz	0.390	0.66
RCH664-101K	100 $\pm$ 10%	1 KHz	0.430	0.59
RCH664-121K	120 $\pm$ 10%	1 KHz	0.540	0.54
RCH664-151K	150 $\pm$ 10%	1 KHz	0.640	0.48
RCH664-181K	180 $\pm$ 10%	1 KHz	0.740	0.44
RCH664-221K	220 $\pm$ 10%	1 KHz	0.960	0.40
RCH664-271K	270 $\pm$ 10%	1 KHz	1.120	0.36
RCH664-331K	330 $\pm$ 10%	1 KHz	1.480	0.33
RCH664-391K	390 $\pm$ 10%	1 KHz	1.660	0.30
RCH664-471K	470 $\pm$ 10%	1 KHz	1.910	0.27
RCH664-561K	560 $\pm$ 10%	1 KHz	2.310	0.25
RCH664-681K	680 $\pm$ 10%	1 KHz	2.670	0.23
RCH664-821K	820 $\pm$ 10%	1 KHz	3.100	0.21
RCH664-102K	1,000 $\pm$ 10%	1 KHz	4.450	0.19

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

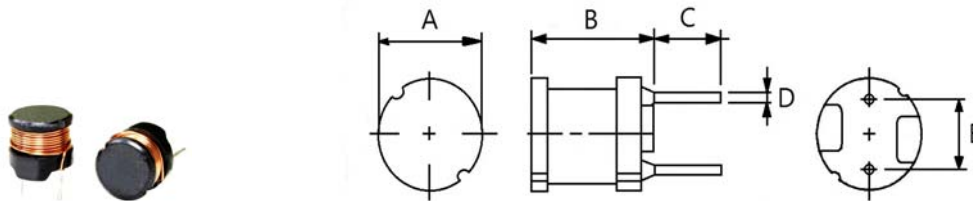
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Power supplies, DC-DC converters, TVs, VTRs, computer peripherals, home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH855	7.8 ± 0.5	6.0 max.	5.0 ± 1.0	0.60 ± 0.05	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH855-3R3M	$3.3 \pm 20\%$	7.96 MHz	0.026	4.00
RCH855-4R1M	$4.1 \pm 20\%$	7.96 MHz	0.031	3.60
RCH855-5R0M	$5.0 \pm 20\%$	7.96 MHz	0.034	3.40
RCH855-5R9M	$5.9 \pm 20\%$	7.96 MHz	0.039	3.20
RCH855-6R8M	$6.8 \pm 20\%$	7.96 MHz	0.042	2.90
RCH855-8R2M	$8.2 \pm 20\%$	7.96 MHz	0.045	2.70
RCH855-100M	$10 \pm 20\%$	2.52 MHz	0.070	2.50
RCH855-120M	$12 \pm 20\%$	2.52 MHz	0.080	2.40
RCH855-150M	$15 \pm 20\%$	2.52 MHz	0.090	2.10
RCH855-180M	$18 \pm 20\%$	2.52 MHz	0.100	2.00
RCH855-220K	$22 \pm 10\%$	2.52 MHz	0.120	1.70
RCH855-270K	$27 \pm 10\%$	2.52 MHz	0.140	1.60
RCH855-330K	$33 \pm 10\%$	2.52 MHz	0.170	1.40
RCH855-390K	$39 \pm 10\%$	2.52 MHz	0.210	1.30
RCH855-470K	$47 \pm 10\%$	2.52 MHz	0.240	1.20
RCH855-560K	$56 \pm 10\%$	2.52 MHz	0.310	1.10
RCH855-680K	$68 \pm 10\%$	2.52 MHz	0.340	1.00
RCH855-820K	$82 \pm 10\%$	2.52 MHz	0.400	0.93

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH855-101K	100 $\pm$ 10%	1 KHz	0.520	0.81
RCH855-121K	120 $\pm$ 10%	1 KHz	0.590	0.76
RCH855-151K	150 $\pm$ 10%	1 KHz	0.710	0.67
RCH855-181K	180 $\pm$ 10%	1 KHz	0.890	0.62
RCH855-221K	220 $\pm$ 10%	1 KHz	1.040	0.54
RCH855-271K	270 $\pm$ 10%	1 KHz	1.280	0.49
RCH855-331K	330 $\pm$ 10%	1 KHz	1.470	0.44
RCH855-391K	390 $\pm$ 10%	1 KHz	1.670	0.41
RCH855-471K	470 $\pm$ 10%	1 KHz	1.950	0.39
RCH855-561K	560 $\pm$ 10%	1 KHz	2.830	0.35
RCH855-681K	680 $\pm$ 10%	1 KHz	3.250	0.32
RCH855-821K	820 $\pm$ 10%	1 KHz	3.820	0.31
RCH855-102K	1,000 $\pm$ 10%	1 KHz	5.280	0.25
RCH855-122K	1,200 $\pm$ 10%	1 KHz	6.030	0.23
RCH855-152K	1,500 $\pm$ 10%	1 KHz	7.150	0.21
RCH855-182K	1,800 $\pm$ 10%	1 KHz	8.260	0.20
RCH855-222K	2,200 $\pm$ 10%	1 KHz	11.100	0.18
RCH855-272K	2,700 $\pm$ 10%	1 KHz	13.100	0.16
RCH855-332K	3,300 $\pm$ 10%	1 KHz	15.900	0.14
RCH855-392K	3,900 $\pm$ 10%	1 KHz	18.000	0.13
RCH855-472K	4,700 $\pm$ 10%	1 KHz	23.900	0.12
RCH855-562K	5,600 $\pm$ 10%	1 KHz	26.800	0.11
RCH855-682K	6,800 $\pm$ 10%	1 KHz	31.700	0.10
RCH855-822K	8,200 $\pm$ 10%	1 KHz	46.500	0.09
RCH855-103K	10,000 $\pm$ 10%	1 KHz	55.700	0.08

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

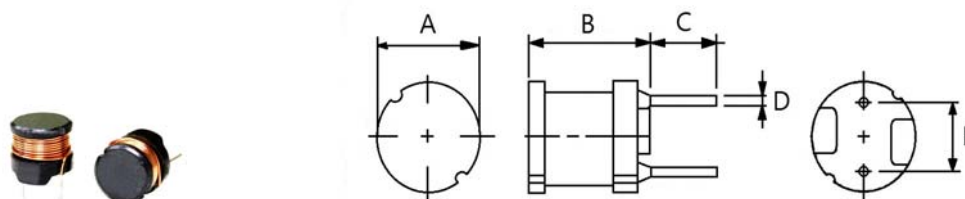
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH875	7.8 ± 0.5	7.8 max.	5.0 ± 1.0	0.60 ± 0.05	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH875-2R2M	2.2 ± 20%	7.96 MHz	0.014	5.80
RCH875-2R8M	2.8 ± 20%	7.96 MHz	0.015	5.00
RCH875-3R5M	3.5 ± 20%	7.96 MHz	0.017	4.70
RCH875-4R4M	4.4 ± 20%	7.96 MHz	0.019	4.50
RCH875-5R1M	5.1 ± 20%	7.96 MHz	0.021	4.20
RCH875-6R0M	6.0 ± 20%	7.96 MHz	0.022	4.00
RCH875-7R1M	7.1 ± 20%	7.96 MHz	0.024	3.40
RCH875-8R2M	8.2 ± 20%	7.96 MHz	0.027	3.10
RCH875-100M	10 ± 20%	2.52 MHz	0.050	2.90
RCH875-120M	12 ± 20%	2.52 MHz	0.060	2.50
RCH875-150K	15 ± 10%	2.52 MHz	0.070	2.20
RCH875-180K	18 ± 10%	2.52 MHz	0.080	1.90
RCH875-220K	22 ± 10%	2.52 MHz	0.090	1.80
RCH875-270K	27 ± 10%	2.52 MHz	0.110	1.70
RCH875-330K	33 ± 10%	2.52 MHz	0.130	1.50
RCH875-390K	39 ± 10%	2.52 MHz	0.140	1.30
RCH875-470K	47 ± 10%	2.52 MHz	0.150	1.30
RCH875-560K	56 ± 10%	2.52 MHz	0.180	1.20
RCH875-680K	68 ± 10%	2.52 MHz	0.200	1.10
RCH875-820K	82 ± 10%	2.52 MHz	0.240	1.00

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH875-101K	100 $\pm$ 10%	1 KHz	0.350	0.89
RCH875-121K	120 $\pm$ 10%	1 KHz	0.360	0.81
RCH875-151K	150 $\pm$ 10%	1 KHz	0.420	0.72
RCH875-181K	180 $\pm$ 10%	1 KHz	0.570	0.66
RCH875-221K	220 $\pm$ 10%	1 KHz	0.630	0.57
RCH875-271K	270 $\pm$ 10%	1 KHz	0.880	0.51
RCH875-331K	330 $\pm$ 10%	1 KHz	1.050	0.46
RCH875-391K	390 $\pm$ 10%	1 KHz	1.170	0.44
RCH875-471K	470 $\pm$ 10%	1 KHz	1.340	0.41
RCH875-561K	560 $\pm$ 10%	1 KHz	1.720	0.36
RCH875-681K	680 $\pm$ 10%	1 KHz	1.960	0.33
RCH875-821K	820 $\pm$ 10%	1 KHz	2.560	0.30
RCH875-102K	1,000 $\pm$ 10%	1 KHz	2.940	0.27
RCH875-122K	1,200 $\pm$ 10%	1 KHz	4.040	0.24
RCH875-152K	1,500 $\pm$ 10%	1 KHz	4.700	0.22
RCH875-182K	1,800 $\pm$ 10%	1 KHz	5.050	0.20
RCH875-222K	2,200 $\pm$ 10%	1 KHz	6.250	0.18
RCH875-272K	2,700 $\pm$ 10%	1 KHz	8.720	0.16
RCH875-332K	3,300 $\pm$ 10%	1 KHz	10.600	0.15
RCH875-392K	3,900 $\pm$ 10%	1 KHz	14.200	0.14
RCH875-472K	4,700 $\pm$ 10%	1 KHz	16.700	0.12
RCH875-562K	5,600 $\pm$ 10%	1 KHz	18.700	0.11
RCH875-682K	6,800 $\pm$ 10%	1 KHz	21.800	0.10
RCH875-822K	8,200 $\pm$ 10%	1 KHz	28.700	93m
RCH875-103K	10,000 $\pm$ 10%	1 KHz	33.000	84m

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

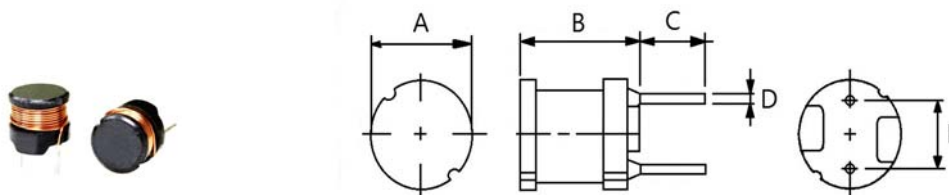
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH895	7.8 ± 0.5	9.8 max.	5.0 ± 1.0	0.60 ± 0.1	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH895-2R5M	2.5 ± 20%	7.96 MHz	0.014	3.20
RCH895-3R2M	3.2 ± 20%	7.96 MHz	0.015	2.90
RCH895-3R8M	3.8 ± 20%	7.96 MHz	0.016	2.70
RCH895-4R6M	4.6 ± 20%	7.96 MHz	0.019	2.50
RCH895-5R5M	5.5 ± 20%	7.96 MHz	0.020	2.40
RCH895-6R5M	6.5 ± 20%	7.96 MHz	0.021	2.30
RCH895-7R7M	7.7 ± 20%	7.96 MHz	0.022	2.20
RCH895-9R2M	9.0 ± 20%	7.96 MHz	0.024	2.10
RCH895-100M	10 ± 20%	2.52 MHz	0.400	2.00
RCH895-120M	12 ± 20%	2.52 MHz	0.400	1.90
RCH895-150K	15 ± 10%	2.52 MHz	0.500	1.80
RCH895-180K	18 ± 10%	2.52 MHz	0.500	1.60
RCH895-220K	22 ± 10%	2.52 MHz	0.600	1.40
RCH895-270K	27 ± 10%	2.52 MHz	0.600	1.30
RCH895-330K	33 ± 10%	2.52 MHz	0.700	1.10
RCH895-390K	39 ± 10%	2.52 MHz	0.800	1.10
RCH895-470K	47 ± 10%	2.52 MHz	0.100	0.99
RCH895-560K	56 ± 10%	2.52 MHz	0.110	0.90
RCH895-680K	68 ± 10%	2.52 MHz	0.140	0.81
RCH895-820K	82 ± 10%	2.52 MHz	0.160	0.76

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH895-101K	100 $\pm$ 10%	1 KHz	0.190	0.72
RCH895-121K	120 $\pm$ 10%	1 KHz	0.220	0.67
RCH895-151K	150 $\pm$ 10%	1 KHz	0.270	0.61
RCH895-181K	180 $\pm$ 10%	1 KHz	0.310	0.54
RCH895-221K	220 $\pm$ 10%	1 KHz	0.380	0.50
RCH895-271K	270 $\pm$ 10%	1 KHz	0.530	0.41
RCH895-331K	330 $\pm$ 10%	1 KHz	0.610	0.39
RCH895-391K	390 $\pm$ 10%	1 KHz	0.690	0.37
RCH895-471K	470 $\pm$ 10%	1 KHz	0.890	0.32
RCH895-561K	560 $\pm$ 10%	1 KHz	1.010	0.30
RCH895-681K	680 $\pm$ 10%	1 KHz	1.180	0.27
RCH895-821K	820 $\pm$ 10%	1 KHz	1.570	0.24
RCH895-102K	1,000 $\pm$ 10%	1 KHz	1.840	0.22
RCH895-122K	1,200 $\pm$ 10%	1 KHz	2.100	0.21
RCH895-152K	1,500 $\pm$ 10%	1 KHz	2.800	0.18
RCH895-182K	1,800 $\pm$ 10%	1 KHz	3.210	0.17
RCH895-222K	2,200 $\pm$ 10%	1 KHz	4.210	0.15
RCH895-272K	2,700 $\pm$ 10%	1 KHz	4.940	0.14
RCH895-332K	3,300 $\pm$ 10%	1 KHz	6.160	0.12
RCH895-392K	3,900 $\pm$ 10%	1 KHz	6.840	0.11
RCH895-472K	4,700 $\pm$ 10%	1 KHz	7.890	0.10
RCH895-562K	5,600 $\pm$ 10%	1 KHz	11.500	0.09
RCH895-682K	6,800 $\pm$ 10%	1 KHz	13.200	0.08
RCH895-822K	8,200 $\pm$ 10%	1 KHz	15.300	0.08
RCH895-103K	10,000 $\pm$ 10%	1 KHz	22.000	0.06
RCH895-123K	12,000 $\pm$ 10%	1 KHz	25.000	0.06
RCH895-153K	15,000 $\pm$ 10%	1 KHz	29.100	0.06
RCH895-183K	18,000 $\pm$ 10%	1 KHz	38.900	0.05
RCH895-223K	22,000 $\pm$ 10%	1 KHz	44.900	0.04
RCH895-273K	27,000 $\pm$ 10%	1 KHz	55.700	0.04
RCH895-333K	33,000 $\pm$ 10%	1 KHz	64.200	0.04
RCH895-393K	39,000 $\pm$ 10%	1 KHz	74.200	0.04
RCH895-473K	47,000 $\pm$ 10%	1 KHz	96.400	0.03

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

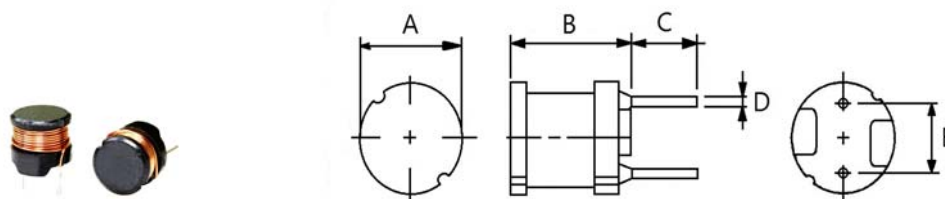
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH8011	7.8 ± 0.5	10.8 max.	5.0 ± 1.0	0.60 ± 0.1	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH8011-100L	10 ± 15%	100 KHz	0.035	4.40
RCH8011-120L	12 ± 15%	100 KHz	0.040	4.00
RCH8011-150L	15 ± 15%	100 KHz	0.047	3.60
RCH8011-180L	18 ± 15%	100 KHz	0.053	3.30
RCH8011-220L	22 ± 15%	100 KHz	0.056	2.80
RCH8011-270L	27 ± 15%	100 KHz	0.065	2.60
RCH8011-330L	33 ± 15%	100 KHz	0.075	2.40
RCH8011-390L	39 ± 15%	100 KHz	0.084	2.20
RCH8011-470L	47 ± 15%	100 KHz	0.110	2.00
RCH8011-560L	56 ± 15%	100 KHz	0.123	1.85
RCH8011-680L	68 ± 15%	100 KHz	0.138	1.70
RCH8011-820L	82 ± 15%	100 KHz	0.190	1.60
RCH8011-101L	100 ± 15%	100 KHz	0.215	1.50
RCH8011-121L	120 ± 15%	100 KHz	0.275	1.20
RCH8011-151L	150 ± 15%	100 KHz	0.310	1.10
RCH8011-181L	180 ± 15%	100 KHz	0.360	1.00
RCH8011-221L	220 ± 15%	100 KHz	0.440	0.95
RCH8011-271L	270 ± 15%	100 KHz	0.590	0.90
RCH8011-331L	330 ± 15%	100 KHz	0.640	0.80
RCH8011-391L	390 ± 15%	100 KHz	0.710	0.70
RCH8011-471L	470 ± 15%	100 KHz	0.900	0.65
RCH8011-561L	560 ± 15%	100 KHz	1.100	0.60
RCH8011-681L	680 ± 15%	100 KHz	1.300	0.56
RCH8011-821L	820 ± 15%	100 KHz	1.700	0.52
RCH8011-102L	1,000 ± 15%	100 KHz	1.900	0.49

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

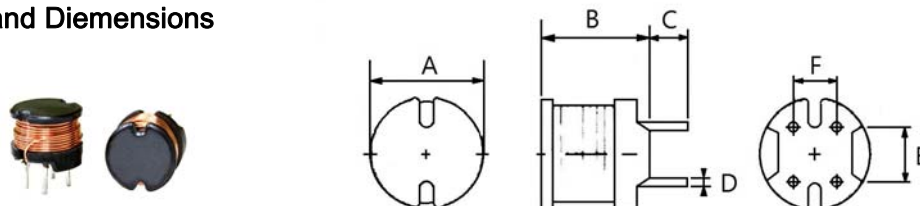
Features

- Low cost, wide range of inductance.
- Small mounting space required.
- Low DCR, large current, best for the power supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Dimensions



Type	A	B	C	D	E	F		
RCH106	10.0 max.	6.5 max.	3.5 ± 1.0	0.70 ± 0.1	5.0 ± 0.3	4.0 ± 0.3		

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH106-1R0N	1.0 ± 30%	7.96 MHz	0.005	9.30
RCH106-1R2N	1.2 ± 30%	7.96 MHz	0.007	8.00
RCH106-1R8M	1.8 ± 20%	7.96 MHz	0.008	7.40
RCH106-2R8M	2.8 ± 20%	7.96 MHz	0.012	6.00
RCH106-3R6M	3.6 ± 20%	7.96 MHz	0.014	5.70
RCH106-5R1M	5.1 ± 20%	7.96 MHz	0.020	4.60
RCH106-6R3M	6.3 ± 20%	7.96 MHz	0.023	4.20
RCH106-7R8M	7.8 ± 20%	7.96 MHz	0.025	3.90
RCH106-100M	10 ± 20%	1 KHz	0.040	3.60
RCH106-120M	12 ± 20%	1 KHz	0.044	3.30
RCH106-150M	15 ± 20%	1 KHz	0.058	2.90
RCH106-180M	18 ± 20%	1 KHz	0.064	2.70
RCH106-220M	22 ± 20%	1 KHz	0.088	2.40
RCH106-270M	27 ± 20%	1 KHz	0.100	2.20
RCH106-330K	33 ± 10%	1 KHz	0.110	2.00
RCH106-390K	39 ± 10%	1 KHz	0.140	1.80
RCH106-470K	47 ± 10%	1 KHz	0.160	1.70
RCH106-560K	56 ± 10%	1 KHz	0.190	1.50
RCH106-680K	68 ± 10%	1 KHz	0.220	1.40
RCH106-820K	82 ± 10%	1 KHz	0.290	1.30
RCH106-101K	100 ± 10%	1 KHz	0.320	1.30
RCH106-121K	120 ± 10%	1 KHz	0.380	1.20
RCH106-151K	150 ± 10%	1 KHz	0.500	1.00
RCH106-181K	180 ± 10%	1 KHz	0.560	0.84
RCH106-221K	220 ± 10%	1 KHz	0.780	0.76
RCH106-271K	270 ± 10%	1 KHz	0.920	0.69
RCH106-331K	330 ± 10%	1 KHz	1.100	0.62
RCH106-391K	390 ± 10%	1 KHz	1.300	0.57
RCH106-471K	470 ± 10%	1 KHz	1.500	0.52
RCH106-561K	560 ± 10%	1 KHz	1.900	0.48
RCH106-681K	680 ± 10%	1 KHz	2.200	0.43
RCH106-821K	820 ± 10%	1 KHz	2.600	0.40
RCH106-102K	1,000 ± 10%	1 KHz	3.200	0.36

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

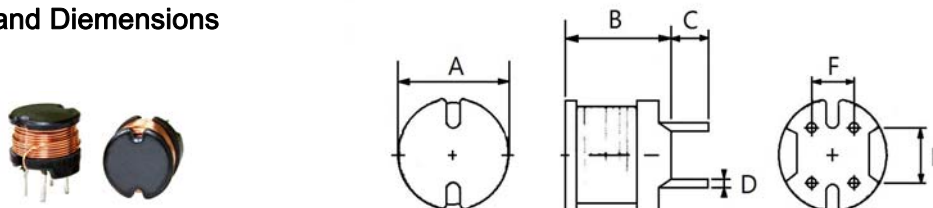
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E	F		
RCH108	10.0 max.	8.5 max.	3.5 ± 1.0	0.70 ± 0.1	5.0 ± 0.3	4.0 ± 0.3		

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH108-2R2M	2.2 ± 20%	7.96 MHz	0.009	7.90
RCH108-2R7M	2.7 ± 20%	7.96 MHz	0.010	7.20
RCH108-3R7M	3.7 ± 20%	7.96 MHz	0.011	6.30
RCH108-4R7M	4.7 ± 20%	7.96 MHz	0.012	5.70
RCH108-6R2M	6.2 ± 20%	7.96 MHz	0.015	5.30
RCH108-8R2M	8.2 ± 20%	7.96 MHz	0.017	5.00
RCH108-100M	10 ± 20%	1 KHz	0.027	4.50
RCH108-120M	12 ± 20%	1 KHz	0.031	4.10
RCH108-150M	15 ± 20%	1 KHz	0.036	3.70
RCH108-180M	18 ± 20%	1 KHz	0.049	3.40
RCH108-220M	22 ± 20%	1 KHz	0.055	3.10
RCH108-270M	27 ± 20%	1 KHz	0.062	2.80
RCH108-330M	33 ± 20%	1 KHz	0.079	2.50
RCH108-390M	39 ± 20%	1 KHz	0.087	2.30
RCH108-470M	47 ± 20%	1 KHz	0.099	2.10
RCH108-560M	56 ± 20%	1 KHz	0.130	1.90
RCH108-680M	68 ± 20%	1 KHz	0.140	1.70
RCH108-820M	82 ± 20%	1 KHz	0.160	1.60
RCH108-101K	100 ± 10%	1 KHz	0.210	1.40
RCH108-121K	120 ± 10%	1 KHz	0.240	1.30
RCH108-151K	150 ± 10%	1 KHz	0.320	1.20
RCH108-181K	180 ± 10%	1 KHz	0.350	1.10
RCH108-221K	220 ± 10%	1 KHz	0.450	0.96
RCH108-271K	270 ± 10%	1 KHz	0.610	0.87
RCH108-331K	330 ± 10%	1 KHz	0.690	0.79
RCH108-391K	390 ± 10%	1 KHz	0.780	0.72
RCH108-471K	470 ± 10%	1 KHz	1.000	0.66
RCH108-561K	560 ± 10%	1 KHz	1.200	0.60
RCH108-681K	680 ± 10%	1 KHz	1.400	0.55
RCH108-821K	820 ± 10%	1 KHz	1.800	0.50
RCH108-102K	1,000 ± 10%	1 KHz	2.100	0.45

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

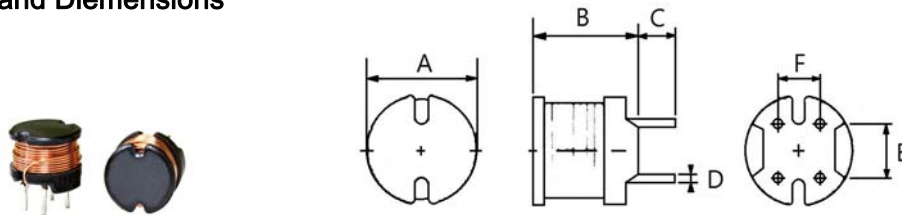
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E	F	G	
RCH110	10.0 max.	10.5 max.	3.5 ± 1.0	0.70 ± 0.1	5.0 ± 0.3	4.0 ± 0.3		

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH110-100M	10 ± 20%	1 KHz	0.022	5.30
RCH110-120M	12 ± 20%	1 KHz	0.023	4.90
RCH110-150M	15 ± 20%	1 KHz	0.026	4.40
RCH110-180M	18 ± 20%	1 KHz	0.033	4.00
RCH110-220M	22 ± 20%	1 KHz	0.037	3.60
RCH110-270M	27 ± 20%	1 KHz	0.048	3.30
RCH110-330K	33 ± 10%	1 KHz	0.055	2.90
RCH110-390K	39 ± 10%	1 KHz	0.073	2.70
RCH110-470K	47 ± 10%	1 KHz	0.083	2.50
RCH110-560K	56 ± 10%	1 KHz	0.092	2.30
RCH110-680K	68 ± 10%	1 KHz	0.120	2.10
RCH110-820K	82 ± 10%	1 KHz	0.140	1.90
RCH110-101K	100 ± 10%	1 KHz	0.160	1.70
RCH110-121K	120 ± 10%	1 KHz	0.200	1.50
RCH110-151K	150 ± 10%	1 KHz	0.230	1.40
RCH110-181K	180 ± 10%	1 KHz	0.310	1.30
RCH110-221K	220 ± 10%	1 KHz	0.340	1.10
RCH110-271K	270 ± 10%	1 KHz	0.400	1.00
RCH110-331K	330 ± 10%	1 KHz	0.520	0.93
RCH110-391K	390 ± 10%	1 KHz	0.650	0.86
RCH110-471K	470 ± 10%	1 KHz	0.710	0.78
RCH110-561K	560 ± 10%	1 KHz	1.000	0.71
RCH110-681K	680 ± 10%	1 KHz	1.100	0.65
RCH110-821K	820 ± 10%	1 KHz	1.300	0.59
RCH110-102K	1,000 ± 10%	1 KHz	1.700	0.53

NOTES:

Rated current ; The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

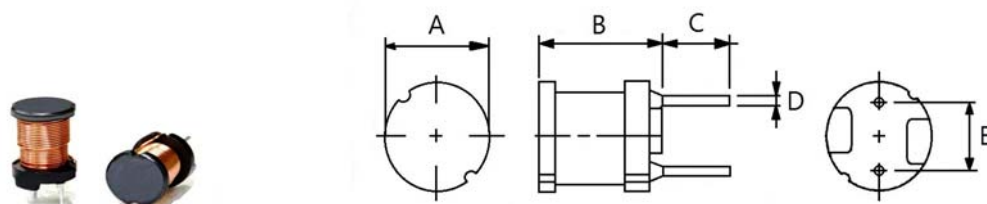
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E			
RCH114	10.0 max.	14.4 max.	5.0 ± 1.0	0.65 ± 0.1	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH114-6R3M	6.3 ± 20%	796 KHz	0.026	4.30
RCH114-7R5M	7.5 ± 20%	796 KHz	0.029	4.20
RCH114-8R8M	8.8 ± 20%	796 KHz	0.030	4.10
RCH114-100K	10 ± 10%	1 KHz	0.033	4.00
RCH114-120K	12 ± 10%	1 KHz	0.035	3.90
RCH114-150K	15 ± 10%	1 KHz	0.039	3.70
RCH114-180K	18 ± 10%	1 KHz	0.047	3.50
RCH114-220K	22 ± 10%	1 KHz	0.051	3.30
RCH114-270K	27 ± 10%	1 KHz	0.057	3.10
RCH114-330K	33 ± 10%	1 KHz	0.064	2.90
RCH114-390K	39 ± 10%	1 KHz	0.074	2.70
RCH114-470K	47 ± 10%	1 KHz	0.083	2.50
RCH114-560K	56 ± 10%	1 KHz	0.104	2.30
RCH114-680K	68 ± 10%	1 KHz	0.117	2.10
RCH114-820K	82 ± 10%	1 KHz	0.130	1.90
RCH114-101K	100 ± 10%	1 KHz	0.143	1.70
RCH114-121K	120 ± 10%	1 KHz	0.195	1.50
RCH114-151K	150 ± 10%	1 KHz	0.221	1.40
RCH114-181K	180 ± 10%	1 KHz	0.260	1.30
RCH114-221K	220 ± 10%	1 KHz	0.350	1.20
RCH114-271K	270 ± 10%	1 KHz	0.390	1.10
RCH114-331K	330 ± 10%	1 KHz	0.520	1.00
RCH114-391K	390 ± 10%	1 KHz	0.570	0.92
RCH114-471K	470 ± 10%	1 KHz	0.650	0.84
RCH114-561K	560 ± 10%	1 KHz	0.790	0.75
RCH114-681K	680 ± 10%	1 KHz	0.960	0.69
RCH114-821K	820 ± 10%	1 KHz	1.220	0.62

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH114-102K	1,000 $\pm$ 10%	1 KHz	1.600	0.52
RCH114-122K	1,200 $\pm$ 10%	1 KHz	2.200	0.46
RCH114-152K	1,500 $\pm$ 10%	1 KHz	2.500	0.41
RCH114-182K	1,800 $\pm$ 10%	1 KHz	2.900	0.36
RCH114-222K	2,200 $\pm$ 10%	1 KHz	3.200	0.32
RCH114-272K	2,700 $\pm$ 10%	1 KHz	3.700	0.29
RCH114-332K	3,300 $\pm$ 10%	1 KHz	5.000	0.27
RCH114-392K	3,900 $\pm$ 10%	1 KHz	5.600	0.25
RCH114-472K	4,700 $\pm$ 10%	1 KHz	7.400	0.23
RCH114-562K	5,600 $\pm$ 10%	1 KHz	8.200	0.21
RCH114-682K	6,800 $\pm$ 10%	1 KHz	11.900	0.19
RCH114-822K	8,200 $\pm$ 10%	1 KHz	14.000	0.17
RCH114-103K	10,000 $\pm$ 10%	1 KHz	16.000	0.16
RCH114-123K	12,000 $\pm$ 10%	1 KHz	21.000	0.15
RCH114-153K	15,000 $\pm$ 10%	1 KHz	24.000	0.14
RCH114-183K	18,000 $\pm$ 10%	1 KHz	27.000	0.13
RCH114-223K	22,000 $\pm$ 10%	1 KHz	34.000	0.12
RCH114-273K	27,000 $\pm$ 10%	1 KHz	39.000	0.11
RCH114-333K	33,000 $\pm$ 10%	1 KHz	51.000	0.10
RCH114-393K	39,000 $\pm$ 10%	1 KHz	58.000	0.09

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

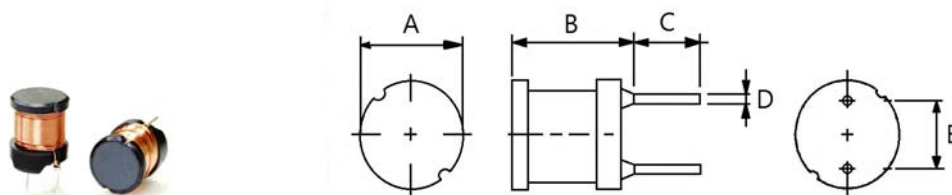
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E	F		
RCH1616	16.0 max.	15.0 max.	5.0 ± 1.0	5.00 ± 0.1	7.5 ± 0.5	0.80 ± 0.1		

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH1616-4R7M	4.7 ± 20%	1 KHz	0.007	12.60
RCH1616-6R8M	6.8 ± 20%	1 KHz	0.009	9.80
RCH1616-100M	10 ± 20%	1 KHz	0.011	9.30
RCH1616-120M	12 ± 20%	1 KHz	0.011	8.50
RCH1616-150M	15 ± 20%	1 KHz	0.015	7.10
RCH1616-180M	18 ± 20%	1 KHz	0.017	6.70
RCH1616-220M	22 ± 20%	1 KHz	0.017	6.20
RCH1616-270M	27 ± 20%	1 KHz	0.020	5.60
RCH1616-330M	33 ± 20%	1 KHz	0.027	5.00
RCH1616-390M	39 ± 20%	1 KHz	0.033	4.60
RCH1616-470M	47 ± 20%	1 KHz	0.037	4.20
RCH1616-560M	56 ± 20%	1 KHz	0.045	3.80
RCH1616-680M	68 ± 20%	1 KHz	0.056	3.30
RCH1616-820M	82 ± 20%	1 KHz	0.065	2.90
RCH1616-101K	100 ± 10%	1 KHz	0.068	2.70
RCH1616-121K	120 ± 10%	1 KHz	0.080	2.50
RCH1616-151K	150 ± 10%	1 KHz	0.091	2.30
RCH1616-181K	180 ± 10%	1 KHz	0.135	2.00
RCH1616-221K	220 ± 10%	1 KHz	0.155	1.80
RCH1616-271K	270 ± 10%	1 KHz	0.180	1.70
RCH1616-331K	330 ± 10%	1 KHz	0.240	1.50
RCH1616-391K	390 ± 10%	1 KHz	0.255	1.30
RCH1616-471K	470 ± 10%	1 KHz	0.280	1.20
RCH1616-561K	560 ± 10%	1 KHz	0.380	1.10
RCH1616-681K	680 ± 10%	1 KHz	0.515	1.00
RCH1616-821K	820 ± 10%	1 KHz	0.575	0.96
RCH1616-102K	1,000 ± 10%	1 KHz	0.665	0.85

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

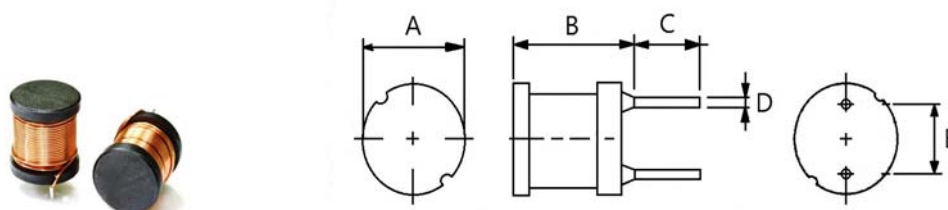
Features

- Low cost, wide rage of inductance.
- Small mounting space required.
- Low DCR, large current, best for the pwer supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Diemensions



Type	A	B	C	D	E	F		
RCH1921	19.0 max.	21.0 max.	5.0 ± 1.0	5.00 ± 0.1	10.0 ± 1.0	1.00 ± 0.1		

Electrical Characteristics

Part No.	Inductance (mH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH1921-102K	1.0 ± 10%	1 KHz	0.320	1.70
RCH1921-152K	1.5 ± 10%	1 KHz	0.610	1.30
RCH1921-222K	2.2 ± 10%	1 KHz	0.780	1.10
RCH1921-332K	3.3 ± 10%	1 KHz	1.150	0.95
RCH1921-472K	4.7 ± 10%	1 KHz	1.710	0.78
RCH1921-682K	6.8 ± 10%	1 KHz	2.610	0.66
RCH1921-103K	10 ± 10%	1 KHz	3.410	0.55

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

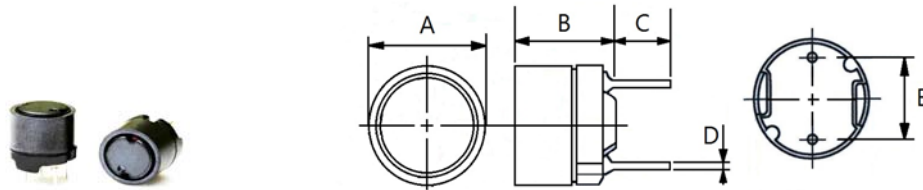
Features

- Low cost, wide range of inductance.
- Small mounting space required.
- Low DCR, large current, best for the power supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Dimensions



Type	A	B	C	D	E			
RCR664D	6.5 max.	6.5 max.	4.0 ± 1.0	0.5 ± 0.1	4.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR664D-2R7M	2.7 ± 20%	7.96 MHz	0.042	2.42
RCR664D-3R3M	3.3 ± 20%	7.96 MHz	0.047	2.13
RCR664D-3R9M	3.9 ± 20%	7.96 MHz	0.050	2.00
RCR664D-4R7M	4.7 ± 20%	7.96 MHz	0.056	1.90
RCR664D-5R6M	5.6 ± 20%	7.96 MHz	0.062	1.81
RCR664D-6R8M	6.8 ± 20%	7.96 MHz	0.066	1.62
RCR664D-8R2M	8.2 ± 20%	7.96 MHz	0.071	1.47
RCR664D-100L	10 ± 15%	2.52 MHz	0.081	1.33
RCR664D-120L	12 ± 15%	2.52 MHz	0.091	1.18
RCR664D-150L	15 ± 15%	2.52 MHz	0.104	1.12
RCR664D-180L	18 ± 15%	2.52 MHz	0.116	1.00
RCR664D-220L	22 ± 15%	2.52 MHz	0.130	0.96
RCR664D-270L	27 ± 15%	2.52 MHz	0.180	0.87
RCR664D-330L	33 ± 15%	2.52 MHz	0.210	0.78
RCR664D-390L	39 ± 15%	2.52 MHz	0.260	0.72
RCR664D-470L	47 ± 15%	2.52 MHz	0.290	0.66
RCR664D-560K	56 ± 10%	2.52 MHz	0.330	0.60
RCR664D-680K	68 ± 10%	2.52 MHz	0.360	0.55
RCR664D-820K	82 ± 10%	2.52 MHz	0.390	0.50
RCR664D-101K	100 ± 10%	1 KHz	0.540	0.45
RCR664D-121K	120 ± 10%	1 KHz	0.620	0.41
RCR664D-151K	150 ± 10%	1 KHz	0.720	0.37
RCR664D-181K	180 ± 10%	1 KHz	0.880	0.34
RCR664D-221K	220 ± 10%	1 KHz	0.990	0.30
RCR664D-271K	270 ± 10%	1 KHz	1.520	0.27
RCR664D-331K	330 ± 10%	1 KHz	1.690	0.25
RCR664D-391K	390 ± 10%	1 KHz	1.850	0.23
RCR664D-471K	470 ± 10%	1 KHz	2.850	0.21
RCR664D-561K	560 ± 10%	1 KHz	3.210	0.19
RCR664D-681K	680 ± 10%	1 KHz	3.600	0.17
RCR664D-821K	820 ± 10%	1 KHz	4.870	0.16
RCR664D-102K	1,000 ± 10%	1 KHz	5.560	0.14

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

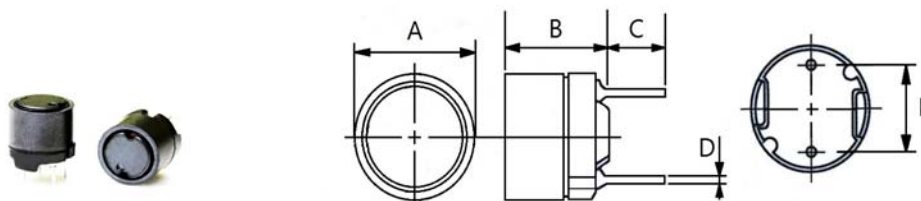
Features

- Low cost, wide range of inductance.
- Small mounting space required.
- Low DCR, large current, best for the power supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Dimensions



Type	A	B	C	D	E			
RCR875D	7.8 ± 0.5	7.5 max.	5.0 ± 1.0	0.6 ± 0.05	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR875D-1R2L	1.2 ± 15%	25.2 MHz	0.018	4.14
RCR875D-1R7L	1.7 ± 15%	25.2 MHz	0.022	3.75
RCR875D-2R3L	2.3 ± 15%	25.2 MHz	0.025	3.45
RCR875D-3R0L	3.0 ± 15%	25.2 MHz	0.028	3.25
RCR875D-3R9L	3.9 ± 15%	25.2 MHz	0.031	3.08
RCR875D-4R7L	4.7 ± 15%	25.2 MHz	0.035	2.94
RCR875D-5R6L	5.6 ± 15%	25.2 MHz	0.039	2.82
RCR875D-7R0L	6.8 ± 15%	25.2 MHz	0.043	2.68
RCR875D-8R2L	8.2 ± 15%	25.2 MHz	0.047	2.55
RCR875D-100L	10 ± 15%	25.2 MHz	0.050	2.40
RCR875D-120L	12 ± 15%	25.2 MHz	0.054	2.25
RCR875D-150L	15 ± 15%	25.2 MHz	0.062	1.95
RCR875D-180L	18 ± 15%	25.2 MHz	0.071	1.78
RCR875D-220L	22 ± 15%	25.2 MHz	0.080	1.60
RCR875D-270L	27 ± 15%	25.2 MHz	0.100	1.40
RCR875D-330L	33 ± 15%	25.2 MHz	0.140	1.30
RCR875D-390L	39 ± 15%	25.2 MHz	0.150	1.20
RCR875D-470L	47 ± 15%	25.2 MHz	0.170	1.10
RCR875D-560L	56 ± 15%	25.2 MHz	0.190	0.99
RCR875D-680L	68 ± 15%	25.2 MHz	0.210	0.89
RCR875D-820L	82 ± 15%	25.2 MHz	0.270	0.81

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR875D-101L	100 $\pm$ 15%	1 KHz	0.320	0.74
RCR875D-121L	120 $\pm$ 15%	1 KHz	0.360	0.67
RCR875D-151L	150 $\pm$ 15%	1 KHz	0.510	0.60
RCR875D-181L	180 $\pm$ 15%	1 KHz	0.570	0.55
RCR875D-221L	220 $\pm$ 15%	1 KHz	0.760	0.50
RCR875D-271L	270 $\pm$ 15%	1 KHz	0.860	0.45
RCR875D-331L	330 $\pm$ 15%	1 KHz	0.970	0.41
RCR875D-391L	390 $\pm$ 15%	1 KHz	1.280	0.37
RCR875D-471L	470 $\pm$ 15%	1 KHz	1.440	0.34
RCR875D-561L	560 $\pm$ 15%	1 KHz	1.610	0.31
RCR875D-681L	680 $\pm$ 15%	1 KHz	2.070	0.28
RCR875D-821L	820 $\pm$ 15%	1 KHz	2.330	0.26
RCR875D-102L	1,000 $\pm$ 15%	1 KHz	2.720	0.23
RCR875D-122L	1,200 $\pm$ 15%	1 KHz	3.980	0.21
RCR875D-152L	1,500 $\pm$ 15%	1 KHz	4.500	0.19
RCR875D-182L	1,800 $\pm$ 15%	1 KHz	6.810	0.17
RCR875D-222L	2,200 $\pm$ 15%	1 KHz	7.560	0.16
RCR875D-272L	2,700 $\pm$ 15%	1 KHz	8.540	0.14
RCR875D-332L	3,300 $\pm$ 15%	1 KHz	9.740	0.13
RCR875D-392L	3,900 $\pm$ 15%	1 KHz	12.900	0.12
RCR875D-472L	4,700 $\pm$ 15%	1 KHz	14.700	0.11
RCR875D-562L	5,600 $\pm$ 15%	1 KHz	20.400	0.10
RCR875D-682L	6,800 $\pm$ 15%	1 KHz	23.000	0.09
RCR875D-822L	8,200 $\pm$ 15%	1 KHz	30.600	0.08

NOTES:

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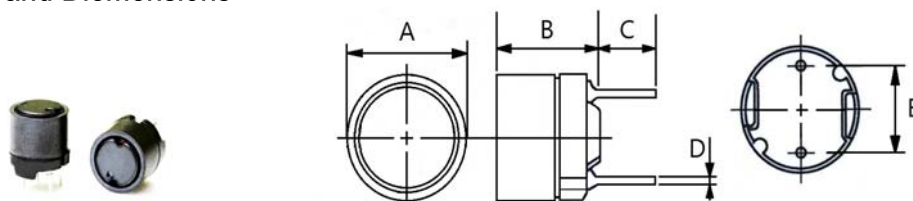
Features

- Low cost, wide range of inductance.
- Small mounting space required.
- Low DCR, large current, best for the power supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Dimensions



Type	A	B	C	D	E			
RCR1010	10.0 ± 0.5	10.5 max.	3.5 ± 1.0	0.65 ± 0.05	6.4 ± 0.5			

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR1010-100M	10 ± 20%	100 KHz	0.025	4.80
RCR1010-120M	12 ± 20%	100 KHz	0.027	4.50
RCR1010-150M	15 ± 20%	100 KHz	0.031	4.00
RCR1010-180M	18 ± 20%	100 KHz	0.034	3.80
RCR1010-220M	22 ± 20%	100 KHz	0.038	3.40
RCR1010-270M	27 ± 20%	100 KHz	0.041	3.00
RCR1010-330M	33 ± 20%	100 KHz	0.054	2.70
RCR1010-390M	39 ± 20%	100 KHz	0.073	2.50
RCR1010-470M	47 ± 20%	100 KHz	0.102	2.20
RCR1010-560M	56 ± 20%	100 KHz	0.111	2.10
RCR1010-680M	68 ± 20%	100 KHz	0.138	1.80
RCR1010-820M	82 ± 20%	100 KHz	0.160	1.70
RCR1010-101M	100 ± 20%	100 KHz	0.175	1.50
RCR1010-121M	120 ± 20%	100 KHz	0.194	1.40
RCR1010-151M	150 ± 20%	100 KHz	0.226	1.20
RCR1010-181M	180 ± 20%	100 KHz	0.275	1.10
RCR1010-221M	220 ± 20%	100 KHz	0.313	1.00
RCR1010-271M	270 ± 20%	100 KHz	0.451	0.95
RCR1010-331M	330 ± 20%	100 KHz	0.501	0.88
RCR1010-391M	390 ± 20%	100 KHz	0.563	0.78
RCR1010-471M	470 ± 20%	100 KHz	0.749	0.72
RCR1010-561M	560 ± 20%	100 KHz	0.849	0.68
RCR1010-681M	680 ± 20%	100 KHz	1.202	0.60
RCR1010-821M	820 ± 20%	100 KHz	1.342	0.57
RCR1010-102M	1,000 ± 20%	100 KHz	1.490	0.48

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t = 40^{\circ}\text{C}$ whichever is lower ($T_a = 20^{\circ}\text{C}$)

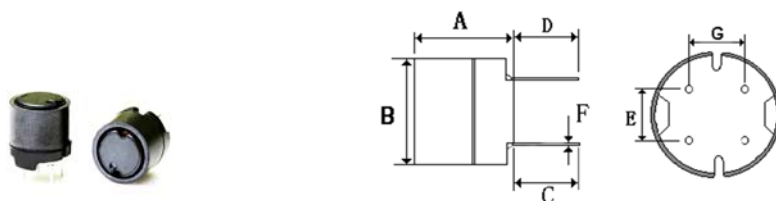
Features

- Low cost, wide range of inductance.
- Small mounting space required.
- Low DCR, large current, best for the power supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Dimensions



Type	A	B	C	D	E	F	G	
RCR110D	10.5 Max	10.5 Max	4.5 Max	4.5 Max	5.0 ±0.5	0.65 ±0.1	4.0 ±0.5	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCR110D-100M	10 ± 20%	1 KHz	0.023	3.51
RCR110D-120M	12 ± 20%	1 KHz	0.024	3.24
RCR110D-150M	15 ± 20%	1 KHz	0.036	2.88
RCR110D-180M	18 ± 20%	1 KHz	0.039	2.61
RCR110D-220M	22 ± 20%	1 KHz	0.042	2.34
RCR110D-270M	27 ± 20%	1 KHz	0.045	2.16
RCR110D-330L	33 ± 15%	1 KHz	0.057	1.89
RCR110D-390L	39 ± 15%	1 KHz	0.076	1.80
RCR110D-470L	47 ± 15%	1 KHz	0.100	1.62
RCR110D-560L	56 ± 15%	1 KHz	0.110	1.44
RCR110D-680L	68 ± 15%	1 KHz	0.150	1.35
RCR110D-820L	82 ± 15%	1 KHz	0.160	1.26
RCR110D-101L	100 ± 15%	1 KHz	0.190	1.08
RCR110D-121L	120 ± 15%	1 KHz	0.210	0.99
RCR110D-151L	150 ± 15%	1 KHz	0.230	0.90
RCR110D-181L	180 ± 15%	1 KHz	0.260	0.82
RCR110D-221L	220 ± 15%	1 KHz	0.290	0.74
RCR110D-271L	270 ± 15%	1 KHz	0.360	0.67
RCR110D-331L	330 ± 15%	1 KHz	0.510	0.61
RCR110D-391L	390 ± 15%	1 KHz	0.690	0.55
RCR110D-471L	470 ± 15%	1 KHz	0.980	0.51
RCR110D-561L	560 ± 15%	1 KHz	1.100	0.46
RCR110D-681L	680 ± 15%	1 KHz	1.200	0.42
RCR110D-821L	820 ± 15%	1 KHz	1.300	0.38
RCR110D-102L	1,000 ± 15%	1 KHz	1.500	0.35

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

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2022 Catalog

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