

SD1004 Series

Features :

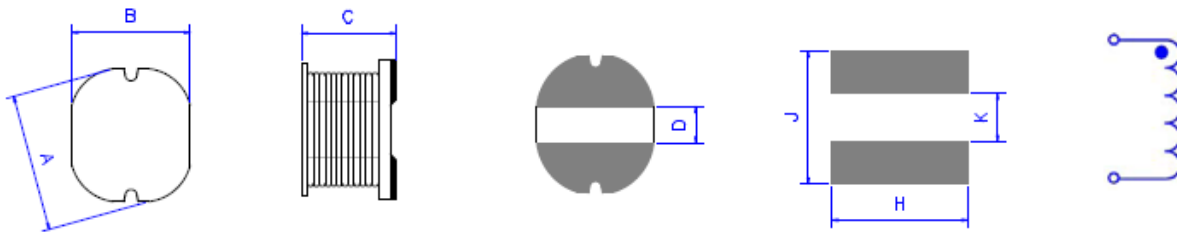
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering methods can be employed
- Open Magnetic circuit construction

Applications :

- LCD panels , Power line choke , DC-DC converter , laptops and PC



Shapes And Dimensions : (Unit :mm)



Type	A	B	C	D (ref.)	H (ref.)	J (ref.)	K (ref.)
SD1004	10.4 ± 0.4	9.0 ± 0.3	4.0 ± 0.3	2.1	9.5	10.0	2.5

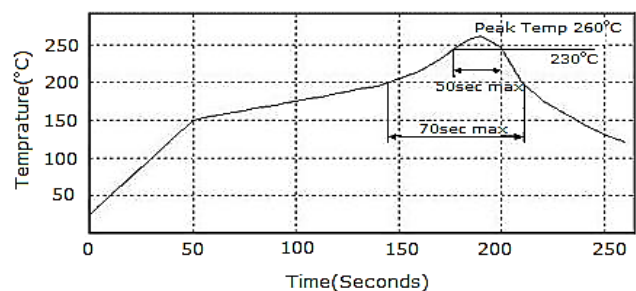
Part Number Code :

SD 1004 -1R5 M -E
1 2 3 4 5

1. Product type
2. Size code
3. Inductance value (1R5 : 1.5uH 150 : 15uH)
4. Tolerance : N±30% M±20% L±15% K±10% J±5%
5. E: Lead free, Rohs compliant

Reflow Profile :

Peak Temp : 260°C
Max time above 230°C 50sec
Max time above 200°C 70sec



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Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SD1004-1R0	1.00	M / K	100KHz 0.25V	0.012	8.700
SD1004-1R2	1.20	M / K	100KHz 0.25V	0.014	8.000
SD1004-1R4	1.40	M / K	100KHz 0.25V	0.016	7.480
SD1004-1R5	1.50	M / K	100KHz 0.25V	0.016	7.480
SD1004-1R8	1.80	M / K	100KHz 0.25V	0.018	6.800
SD1004-2R2	2.20	M / K	100KHz 0.25V	0.020	5.400
SD1004-2R7	2.70	M / K	100KHz 0.25V	0.024	3.200
SD1004-3R3	3.30	M / K	100KHz 0.25V	0.028	2.850
SD1004-3R9	3.90	M / K	100KHz 0.25V	0.030	2.800
SD1004-4R7	4.70	M / K	100KHz 0.25V	0.038	2.750
SD1004-5R6	5.60	M / K	100KHz 0.25V	0.040	2.700
SD1004-6R8	6.80	M / K	100KHz 0.25V	0.042	2.650
SD1004-8R2	8.20	M / K	100KHz 0.25V	0.048	2.600
SD1004-100	10.00	M / K	1.0KHz 0.25V	0.050	2.380
SD1004-120	12.00	M / K	1.0KHz 0.25V	0.060	2.130
SD1004-150	15.00	M / K	1.0KHz 0.25V	0.070	1.870
SD1004-180	18.00	M / K	1.0KHz 0.25V	0.080	1.730
SD1004-220	22.00	M / K	1.0KHz 0.25V	0.090	1.600
SD1004-270	27.00	M / K	1.0KHz 0.25V	0.100	1.440
SD1004-330	33.00	M / K	1.0KHz 0.25V	0.120	1.260
SD1004-390	39.00	M / K	1.0KHz 0.25V	0.150	1.200
SD1004-470	47.00	M / K	1.0KHz 0.25V	0.170	1.100
SD1004-560	56.00	M / K	1.0KHz 0.25V	0.200	1.010
SD1004-680	68.00	M / K	1.0KHz 0.25V	0.220	0.910
SD1004-820	82.00	M / K	1.0KHz 0.25V	0.252	0.850
SD1004-101	100.00	M / K	1.0KHz 0.25V	0.340	0.740
SD1004-121	120.00	M / K	1.0KHz 0.25V	0.396	0.690
SD1004-151	150.00	M / K	1.0KHz 0.25V	0.540	0.610
SD1004-181	180.00	M / K	1.0KHz 0.25V	0.620	0.560
SD1004-221	220.00	M / K	1.0KHz 0.25V	0.720	0.530
SD1004-271	270.00	M / K	1.0KHz 0.25V	0.950	0.450
SD1004-331	330.00	M / K	1.0KHz 0.25V	1.100	0.420
SD1004-391	390.00	M / K	1.0KHz 0.25V	1.240	0.380
SD1004-471	470.00	M / K	1.0KHz 0.25V	1.530	0.350
SD1004-561	560.00	M / K	1.0KHz 0.25V	1.900	0.320
SD1004-102	1000.00	M	100KHz 0.25V	3.000	0.250
SD1004-152	1500.00	M	100KHz 0.25V	4.800	0.230

Code "-E" : Lead free process and RoHs compliant

Inductanc tolerance : N±30% M±20% L±15% K±10% J±5%

IDC : $\Delta L/L(0A) \leq 10\%$