

SD0703 Series

Features :

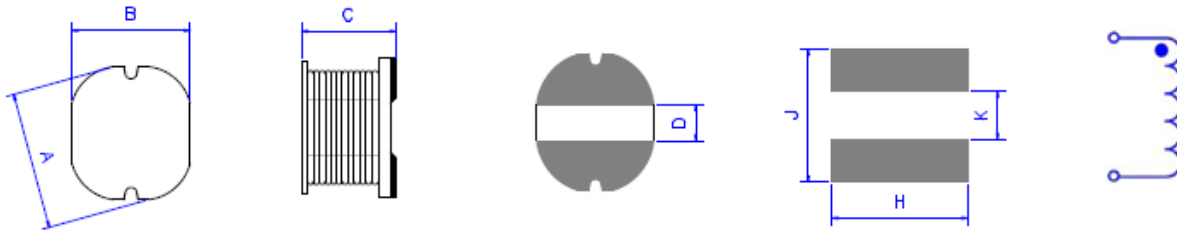
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SD0703	7.8 ± 0.3	7.0 ± 0.3	3.5 ± 0.3	2.1	7.5	8.0	2.0

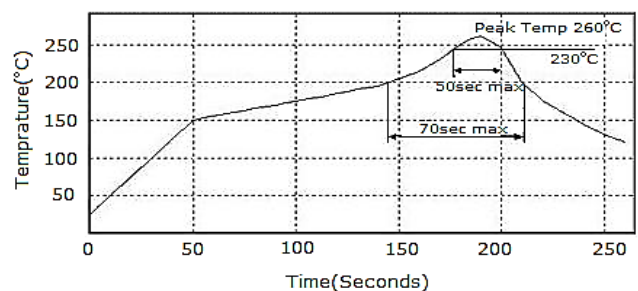
Part Number Code :

SD 0703 -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



SD0703 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SD0703-1R0	1.00	M	100KHz 0.25V	0.018	1.640
SD0703-1R5	1.50	M	100KHz 0.25V	0.020	1.600
SD0703-2R2	2.20	M	100KHz 0.25V	0.023	1.600
SD0703-3R3	3.30	M	100KHz 0.25V	0.025	1.590
SD0703-4R7	4.70	M	100KHz 0.25V	0.039	1.540
SD0703-6R8	6.80	M	100KHz 0.25V	0.040	1.490
SD0703-8R2	8.20	M	100KHz 0.25V	0.080	1.460
SD0703-100	10.00	M / K	1.0KHz 0.25V	0.080	1.440
SD0703-110	11.00	M / K	1.0KHz 0.25V	0.090	1.420
SD0703-120	12.00	M / K	1.0KHz 0.25V	0.090	1.390
SD0703-150	15.00	M / K	1.0KHz 0.25V	0.100	1.240
SD0703-180	18.00	M / K	1.0KHz 0.25V	0.110	1.120
SD0703-220	22.00	M / K	1.0KHz 0.25V	0.130	1.070
SD0703-270	27.00	M / K	1.0KHz 0.25V	0.150	0.940
SD0703-330	33.00	M / K	1.0KHz 0.25V	0.170	0.850
SD0703-390	39.00	M / K	1.0KHz 0.25V	0.220	0.740
SD0703-470	47.00	M / K	1.0KHz 0.25V	0.250	0.680
SD0703-560	56.00	M / K	1.0KHz 0.25V	0.280	0.640
SD0703-680	68.00	M / K	1.0KHz 0.25V	0.330	0.590
SD0703-700	70.00	M / K	1.0KHz 0.25V	0.350	0.560
SD0703-800	80.00	M / K	1.0KHz 0.25V	0.380	0.550
SD0703-820	82.00	M / K	1.0KHz 0.25V	0.410	0.540
SD0703-101	100.00	M / K	1.0KHz 0.25V	0.480	0.510
SD0703-121	120.00	M / K	1.0KHz 0.25V	0.540	0.490
SD0703-151	150.00	M / K	1.0KHz 0.25V	0.750	0.400
SD0703-181	180.00	M / K	1.0KHz 0.25V	1.020	0.360
SD0703-221	220.00	M / K	1.0KHz 0.25V	1.200	0.310
SD0703-271	270.00	M / K	1.0KHz 0.25V	1.310	0.290
SD0703-331	330.00	M / K	1.0KHz 0.25V	1.500	0.280
SD0703-391	390.00	M / K	1.0KHz 0.25V	1.700	0.270
SD0703-471	470.00	K	1.0KHz 0.25V	2.100	0.260
SD0703-561	560.00	M / K	1.0KHz 0.25V	2.660	0.250
SD0703-681	680.00	K	1.0KHz 0.25V	3.000	0.230
SD0703-821	820.00	M	1.0KHz 0.25V	3.630	0.210
SD0703-102	1000.00	M / K	1.0KHz 0.25V	4.760	0.200
SD0703-502	5000.00	M / K	1.0KHz 0.25V	26.000	0.100
SD0703-562	5600.00	M / K	1.0KHz 0.25V	31.200	0.180
SD0703-103	10000.00	M / K	1.0KHz 0.25V	55.000	0.050
SD0703-113	11000.00	M / K	1.0KHz 0.25V	62.000	0.037

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

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

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