

SD1006 Series

Features :

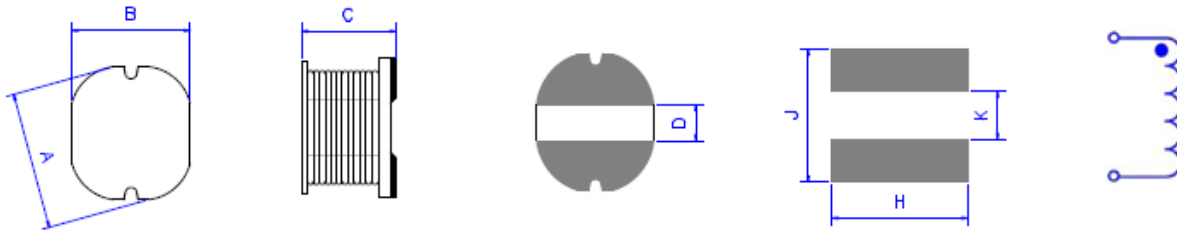
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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 (max.)	D (ref.)	H (ref.)	J (ref.)	K (ref.)
SD1006	10.0 ± 0.4	9.0 ± 0.3	7.5	2.1	9.5	10.0	2.5

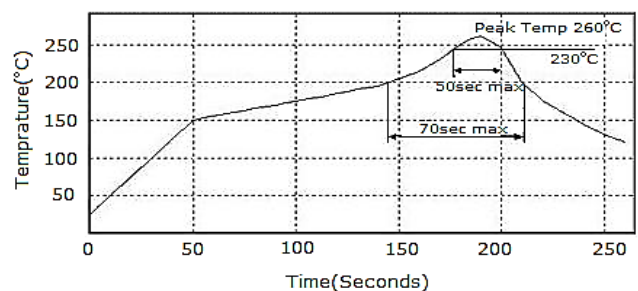
Part Number Code :

SD 1006 -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.)
SD1006-1R0	1.00	M	100KHz 0.25V	0.008	9.500
SD1006-1R8	1.80	M	100KHz 0.25V	0.011	8.600
SD1006-2R2	2.20	M	100KHz 0.25V	0.012	7.200
SD1006-3R3	3.30	M	100KHz 0.25V	0.016	6.800
SD1006-3R9	3.90	M	100KHz 0.25V	0.017	6.350
SD1006-4R7	4.70	M	100KHz 0.25V	0.019	5.450
SD1006-5R6	5.60	M	100KHz 0.25V	0.024	4.300
SD1006-6R8	6.80	M	100KHz 0.25V	0.035	3.520
SD1006-8R2	8.20	M	100KHz 0.25V	0.045	3.510
SD1006-100	10.00	M / K	1.0KHz 0.25V	0.060	3.500
SD1006-120	12.00	M / K	1.0KHz 0.25V	0.070	3.400
SD1006-150	15.00	M / K	1.0KHz 0.25V	0.080	3.100
SD1006-180	18.00	M / K	1.0KHz 0.25V	0.090	3.000
SD1006-220	22.00	M / K	1.0KHz 0.25V	0.100	2.600
SD1006-270	27.00	M / K	1.0KHz 0.25V	0.110	2.400
SD1006-330	33.00	M / K	1.0KHz 0.25V	0.120	2.300
SD1006-390	39.00	M / K	1.0KHz 0.25V	0.140	2.100
SD1006-470	47.00	M / K	1.0KHz 0.25V	0.170	1.950
SD1006-560	56.00	M / K	1.0KHz 0.25V	0.190	1.850
SD1006-680	68.00	M / K	1.0KHz 0.25V	0.220	1.650
SD1006-750	75.00	K	1.0KHz 0.25V	0.240	1.550
SD1006-820	82.00	M / K	1.0KHz 0.25V	0.250	1.500
SD1006-101	100.00	M / K	1.0KHz 0.25V	0.350	1.400
SD1006-121	120.00	M / K	1.0KHz 0.25V	0.400	1.300
SD1006-151	150.00	M / K	1.0KHz 0.25V	0.470	1.200
SD1006-181	180.00	M / K	1.0KHz 0.25V	0.630	1.000
SD1006-221	220.00	M / K	1.0KHz 0.25V	0.730	0.950
SD1006-271	270.00	M / K	1.0KHz 0.25V	0.970	0.900
SD1006-331	330.00	M / K	1.0KHz 0.25V	1.150	0.800
SD1006-391	390.00	M / K	1.0KHz 0.25V	1.300	0.750
SD1006-471	470.00	M / K	1.0KHz 0.25V	1.480	0.650
SD1006-531	530.00	M / K	1.0KHz 0.25V	1.700	0.620
SD1006-561	560.00	M / K	1.0KHz 0.25V	1.900	0.600
SD1006-681	680.00	M / K	1.0KHz 0.25V	2.250	0.500
SD1006-821	820.00	M / K	1.0KHz 0.25V	2.550	0.480
SD1006-102	1000.00	M / K	1.0KHz 0.25V	3.000	0.460
SD1006-122	1200.00	M / K	1.0KHz 0.25V	3.500	0.350
SD1006-153	15000.00	M / K	1.0KHz 0.25V	41.000	0.120

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

Inductance tolerance : N \pm 30% M \pm 20% L \pm 15% K \pm 10% J \pm 5%

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