

SD0403 Series

Features :

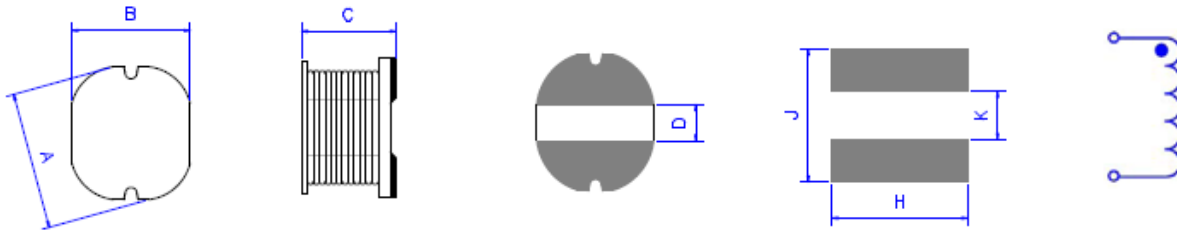
- DC power supply circuit
- Operating temperature range of -25°C to +85°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SD0403	4.5 ± 0.3	4.0 ± 0.3	3.2 ± 0.3	1.2	4.5	5.0	1.5

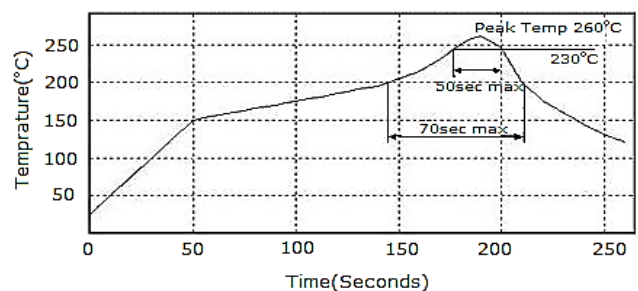
Part Number Code :

SD 0403 -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.)
SD0403-RR8	0.08	N	100KHz 0.25V	0.004	3.000
SD0403-R15	0.16	N	7.96KHz 1.0V	0.009	7.500
SD0403-R18	0.18	N	100KHz 0.25V	0.009	3.000
SD0403-R33	0.33	N	100KHz 0.25V	0.011	3.000
SD0403-R47	0.47	N	100KHz 0.25V	0.013	3.000
SD0403-R50	0.50	M	100KHz 0.25V	0.020	3.000
SD0403-R60	0.60	M	100KHz 0.25V	0.020	3.000
SD0403-R75	0.75	N	7.96KHz 1.0V	0.020	3.000
SD0403-1R0	1.00	N / M	100KHz 0.25V	0.049	2.560
SD0403-1R2	1.20	M	100KHz 0.25V	0.053	2.540
SD0403-1R4	1.40	M	100KHz 0.25V	0.057	2.520
SD0403-1R5	1.50	M	100KHz 0.25V	0.061	2.240
SD0403-1R8	1.80	M / K	100KHz 0.25V	0.064	1.950
SD0403-2R2	2.20	M	100KHz 0.25V	0.072	1.750
SD0403-2R7	2.70	M	100KHz 0.25V	0.079	1.580
SD0403-3R0	3.00	M	100KHz 0.25V	0.080	1.480
SD0403-3R3	3.30	M / K	100KHz 0.25V	0.087	1.440
SD0403-3R9	3.90	M / K	100KHz 0.25V	0.094	1.330
SD0403-4R1	4.10	M	100KHz 0.25V	0.100	1.240
SD0403-4R7	4.70	M / K	100KHz 0.25V	0.109	1.150
SD0403-5R6	5.60	M / K	100KHz 0.25V	0.126	1.100
SD0403-6R2	6.20	M	100KHz 0.25V	0.126	1.000
SD0403-6R8	6.80	M / K	100KHz 0.25V	0.132	1.080
SD0403-8R2	8.20	M / K	100KHz 0.25V	0.147	1.050
SD0403-100	10.0	M / K	1.0KHz 0.25V	0.182	1.040
SD0403-120	12.0	M / K	1.0KHz 0.25V	0.201	0.970
SD0403-150	15.0	M / K	1.0KHz 0.25V	0.235	0.850
SD0403-180	18.0	M / K	1.0KHz 0.25V	0.338	0.740
SD0403-200	20.0	M / K	1.0KHz 0.25V	0.300	0.710
SD0403-220	22.0	M / K	1.0KHz 0.25V	0.378	0.680
SD0403-270	27.0	M / K	1.0KHz 0.25V	0.522	0.620
SD0403-330	33.0	M / K	1.0KHz 0.25V	0.540	0.560
SD0403-390	39.0	M / K	1.0KHz 0.25V	0.587	0.520
SD0403-470	47.0	M / K	1.0KHz 0.25V	0.844	0.440
SD0403-560	56.0	M / K	1.0KHz 0.25V	0.937	0.420
SD0403-680	68.0	M / K	1.0KHz 0.25V	1.117	0.370
SD0403-820	82.0	M / K	1.0KHz 0.25V	1.140	0.340
SD0403-101	100.0	M / K	1.0KHz 0.25V	1.190	0.300
SD0403-121	120.0	M / K	1.0KHz 0.25V	1.400	0.256

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SD0403-151	150.0	M / K	1.0KHz 0.25V	1.800	0.212
SD0403-181	180.0	M / K	1.0KHz 0.25V	1.920	0.200
SD0403-221	220.0	M / K	1.0KHz 0.25V	2.030	0.180
SD0403-271	270.0	M / K	1.0KHz 0.25V	2.890	0.174
SD0403-331	330.0	M / K	1.0KHz 0.25V	3.760	0.168
SD0403-391	390.0	M	1.0KHz 0.25V	4.260	0.160
SD0403-471	470.0	M / K	1.0KHz 0.25V	5.140	0.158
SD0403-561	560.0	M / K	1.0KHz 0.25V	6.370	0.148
SD0403-681	680.0	M / K	1.0KHz 0.25V	9.240	0.128
SD0403-821	820.0	M / K	1.0KHz 0.25V	10.500	0.110
SD0403-881	880.0	M	1.0KHz 0.25V	12.500	0.110
SD0403-102	1000.0	M / K	1.0KHz 0.25V	15.100	0.109
SD0403-132	1300.0	K	1.0KHz 0.25V	17.000	0.095
SD0403-152	1500.0	M / K	1.0KHz 0.25V	19.000	0.089
SD0403-182	1800.0	M / K	1.0KHz 0.25V	21.600	0.070
SD0403-202	2000.0		100KHz 0.25V	24.000	0.070
SD0403-222	2200.0	M / K	1.0KHz 0.25V	27.000	0.070
SD0403-252	2500.0	M / K	1.0KHz 0.25V	28.000	0.070
SD0403-272	2700.0	M / K	1.0KHz 0.25V	37.000	0.070
SD0403-392	3900.0	M / K	1.0KHz 0.25V	46.200	0.050
SD0403-402	4000.0	K	1.0KHz 0.25V	62.000	0.050
SD0403-472	4700.0	M / K	1.0KHz 0.25V	67.900	0.050
SD0403-502	5000.0	M / K	1.0KHz 0.25V	72.000	0.050
SD0403-902	9000.0	M / K	1.0KHz 0.25V	124.50	0.040
SD0403-103	10000.0	M / K	1.0KHz 0.25V	160.00	0.040
SD0403-153	15000.0	M / K	1.0KHz 0.25V	190.00	0.040
SD0403-333	33000.0	M / K	1.0KHz 0.25V	482.00	0.016

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