

SCB0703 Series

Features :

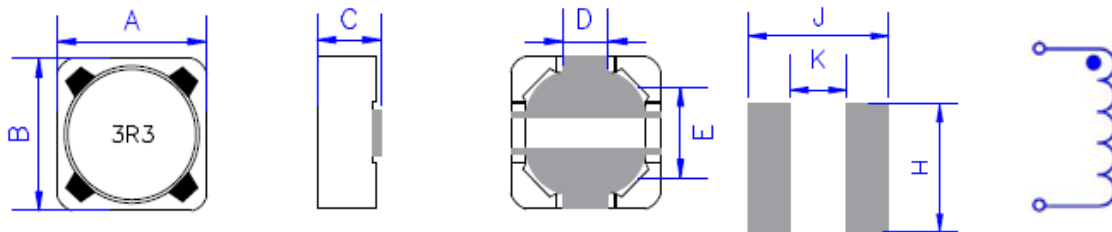
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering methods can be employed

Applications :

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



Shapes And Dimensions : (Unit :mm)



Type	A	B	C (max.)	D (ref.)	E (ref.)	H (ref.)	J (ref.)	K (ref.)
SCB0703	7.3 ± 0.2	7.3 ± 0.2	3.4	1.8	5.0	2.2	8.0	4.8

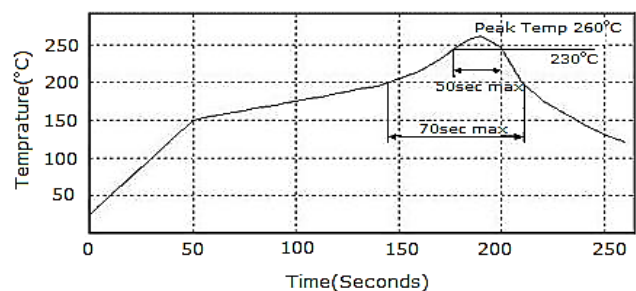
Part Number Code :

SCB 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



SCB0703 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SCB0703-R47	0.47	N	1,000KHz 0.25V	0.013	7.000
SCB0703-1R0	1.00	N	100KHz 0.25V	0.020	4.900
SCB0703-1R5	1.50	N	100KHz 0.25V	0.023	3.800
SCB0703-2R2	2.20	N / M	1.0KHz 0.25V	0.027	4.500
SCB0703-2R9	2.90	N	100KHz 0.25V	0.030	4.100
SCB0703-3R3	3.30	M	100KHz 0.25V	0.032	4.220
SCB0703-3R9	3.90	N	100KHz 0.25V	0.035	3.800
SCB0703-4R0	4.00	N / M	100KHz 0.25V	0.038	3.800
SCB0703-4R7	4.70	M	100KHz 0.25V	0.030	3.780
SCB0703-5R5	5.50	N	100KHz 0.25V	0.056	3.000
SCB0703-5R6	5.60	N	1.0KHz 0.25V	0.056	3.000
SCB0703-6R8	6.80	M	1.0KHz 0.25V	0.060	2.000
SCB0703-8R2	8.20	M	1.0KHz 0.10V	0.072	1.800
SCB0703-100	10.00	M	1.0KHz 0.25V	0.072	1.680
SCB0703-150	15.00	N / M	1.0KHz 0.25V	0.150	1.150
SCB0703-180	18.00	M	1.0KHz 0.25V	0.160	1.100
SCB0703-220	22.00	M	1.0KHz 0.25V	0.190	1.070
SCB0703-300	30.00	M	1.0KHz 0.25V	0.230	0.930
SCB0703-330	33.00	M	1.0KHz 0.25V	0.240	0.910
SCB0703-390	39.00	N / M	1.0KHz 0.25V	0.340	0.770
SCB0703-470	47.00	M	1.0KHz 0.25V	0.360	0.760
SCB0703-560	56.00	M	1.0KHz 0.25V	0.470	0.680
SCB0703-680	68.00	M	1.0KHz 0.25V	0.520	0.610
SCB0703-820	82.00	M	1.0KHz 0.25V	0.537	0.570
SCB0703-101	100.00	M	1.0KHz 0.25V	0.790	0.500
SCB0703-151	150.00	M	100KHz 0.25V	1.200	0.580
SCB0703-181	180.00	M	1.0KHz 0.25V	1.200	0.400
SCB0703-221	220.00	M	1.0KHz 0.25V	1.650	0.350
SCB0703-271	270.00	M	1.0KHz 0.25V	1.800	0.320
SCB0703-331	330.00	M	1.0KHz 0.25V	2.620	0.280
SCB0703-391	390.00	M	1.0KHz 0.25V	2.620	0.280
SCB0703-471	470.00	M	1.0KHz 0.25V	3.420	0.250
SCB0703-561	560.00	M	1.0KHz 0.25V	5.100	0.160
SCB0703-681	680.00	M	1.0KHz 0.25V	5.730	0.190
SCB0703-821	820.00	M	1.0KHz 0.25V	6.560	0.160
SCB0703-102	1000.00	M	1.0KHz 0.25V	9.440	0.160

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 : Δ L/L(OA) \leq 30%