

SCB1207 Series

Features :

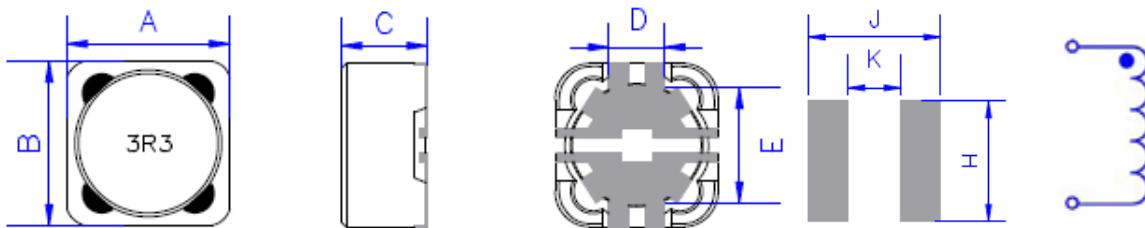
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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	E	H (ref.)	J (ref.)	K (ref.)
SCB1207	12 ± 0.3	12 ± 0.3	8.0	5.0 ± 0.2	7.6 ± 0.2	5.4	12.8	7.0

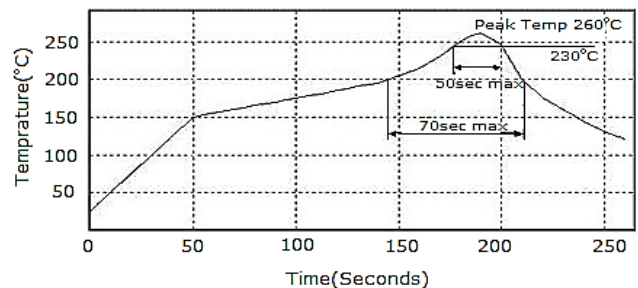
Part Number Code :

SCB 1207 -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



SCB1207 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SCB1207-1R0	1.00	M / N	100KHz 0.25V	0.007	10.000
SCB1207-1R2	1.20	M / N	100KHz 0.25V	0.007	9.800
SCB1207-1R3	1.30	M / N	100KHz 0.25V	0.008	9.800
SCB1207-1R5	1.50	M / N	100KHz 0.25V	0.010	9.000
SCB1207-1R8	1.80	M / N	100KHz 0.25V	0.011	8.500
SCB1207-2R1	2.10	M / N	100KHz 0.25V	0.012	8.200
SCB1207-2R2	2.20	M / N	100KHz 0.25V	0.010	8.500
SCB1207-2R4	2.40	M / N	100KHz 0.25V	0.012	8.000
SCB1207-2R5	2.50	M / N	100KHz 0.25V	0.012	8.000
SCB1207-2R7	2.70	M / N	100KHz 0.25V	0.012	8.000
SCB1207-3R1	3.10	M / N	100KHz 0.25V	0.013	8.000
SCB1207-3R3	3.30	M / N	100KHz 0.25V	0.013	7.800
SCB1207-3R5	3.50	M / N	100KHz 0.25V	0.014	7.500
SCB1207-3R9	3.90	M / N	100KHz 0.25V	0.015	7.300
SCB1207-4R4	4.40	M / N	100KHz 0.25V	0.015	7.000
SCB1207-4R7	4.70	M / N	100KHz 0.25V	0.016	6.800
SCB1207-5R6	5.60	M / N	100KHz 0.25V	0.016	6.700
SCB1207-5R8	5.80	M / N	100KHz 0.25V	0.016	6.700
SCB1207-6R1	6.10	M / N	100KHz 0.25V	0.018	6.600
SCB1207-6R8	6.80	M / N	100KHz 0.25V	0.014	6.400
SCB1207-7R5	7.50	M / N	100KHz 0.25V	0.017	6.300
SCB1207-7R6	7.60	M / N	100KHz 0.25V	0.020	5.900
SCB1207-8R2	8.20	M / N	100KHz 0.25V	0.016	6.320
SCB1207-100	10.00	M	1.0KHz 0.25V	0.022	5.400
SCB1207-120	12.00	M	1.0KHz 0.25V	0.024	4.900
SCB1207-150	15.00	M	1.0KHz 0.25V	0.027	4.500
SCB1207-180	18.00	M	1.0KHz 0.25V	0.040	3.900
SCB1207-200	20.00	M	1.0KHz 0.25V	0.044	4.000
SCB1207-220	22.00	M	1.0KHz 0.25V	0.043	3.600
SCB1207-270	27.00	M	1.0KHz 0.25V	0.046	3.400
SCB1207-330	33.00	M	1.0KHz 0.25V	0.065	3.000
SCB1207-390	39.00	M	1.0KHz 0.25V	0.073	2.750
SCB1207-400	40.00	M	1.0KHz 0.25V	0.080	4.000
SCB1207-470	47.00	M	1.0KHz 0.25V	0.100	2.500
SCB1207-560	56.00	M	1.0KHz 0.25V	0.110	2.350
SCB1207-680	68.00	M	1.0KHz 0.25V	0.140	2.100
SCB1207-820	82.00	M	1.0KHz 0.25V	0.160	1.950
SCB1207-101	100.00	M	1.0KHz 0.25V	0.220	1.700
SCB1207-111	110.00	M	1.0KHz 0.25V	0.240	1.650
SCB1207-121	120.00	M	1.0KHz 0.25V	0.250	1.600

SCB1207 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SCB1207-151	150.00	M	1.0KHz 0.25V	0.280	1.420
SCB1207-181	180.00	M	1.0KHz 0.25V	0.350	1.300
SCB1207-201	200.00	M	1.0KHz 0.25V	0.370	1.100
SCB1207-221	220.00	M	1.0KHz 0.25V	0.390	1.160
SCB1207-271	270.00	M	1.0KHz 0.25V	0.560	1.060
SCB1207-331	330.00	M / K	100KHz 0.25V	0.640	0.950
SCB1207-391	390.00	M	1.0KHz 0.25V	0.700	0.880
SCB1207-471	470.00	M	1.0KHz 0.25V	0.980	0.790
SCB1207-561	560.00	M / K	1.0KHz 0.25V	1.070	0.730
SCB1207-601	600.00	M	1.0KHz 0.25V	0.900	1.000
SCB1207-681	680.00	M	1.0KHz 0.25V	1.460	0.670
SCB1207-801	800.00	M	1.0KHz 0.25V	1.100	0.900
SCB1207-821	820.00	M	1.0KHz 0.25V	1.640	0.600
SCB1207-102	1000.00	M	1.0KHz 0.25V	1.820	0.550
SCB1207-122	1200.00	M	1.0KHz 0.25V	2.000	0.800
SCB1207-152	1500.00	M	100KHz 0.25V	2.500	0.560
SCB1207-162	1600.00	M	1.0KHz 0.25V	3.000	0.500
SCB1207-202	2000.00	M	1.0KHz 0.25V	3.500	0.530
SCB1207-222	2200.00	M	1.0KHz 0.25V	4.750	0.500
SCB1207-242	2400.00	M	1.0KHz 0.25V	5.300	0.450
SCB1207-332	3300.00	M	1.0KHz 0.25V	6.600	0.400
SCB1207-402	4000.00	M	1.0KHz 0.25V	6.800	0.400
SCB1207-472	4700.00	M	1.0KHz 0.25V	7.500	0.350
SCB1207-562	5600.00	M	1.0KHz 0.25V	8.200	0.300
SCB1207-622	6200.00	M	1.0KHz 0.25V	8.800	0.280
SCB1207-682	6800.00	M	1.0KHz 0.25V	9.800	0.200

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 : $\Delta L/L(0A) \leq 30\%$