

SCB1205 Series

Features :

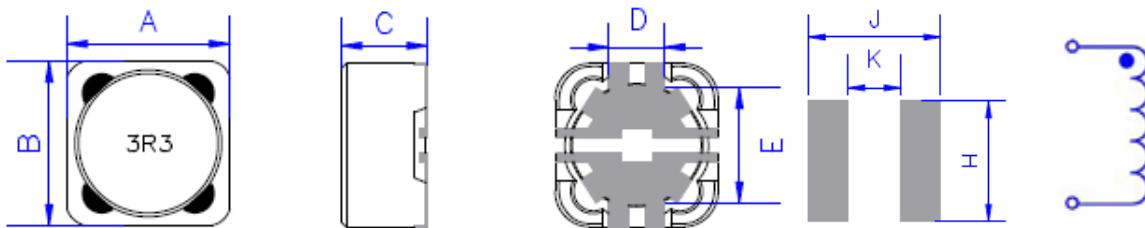
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SCB1205	12 ± 0.3	12 ± 0.3	6.0	5.0 ± 0.2	7.6 ± 0.2	5.4	12.8	7.0

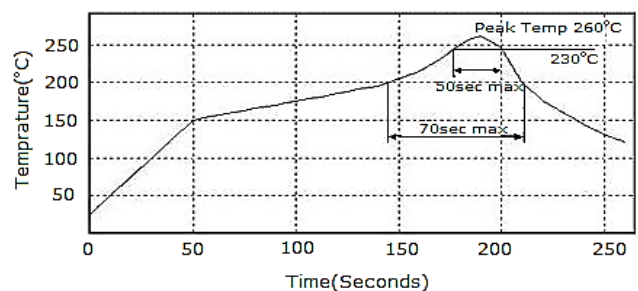
Part Number Code :

SCB 1205 -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.)
SCB1205-1R0	1.00	N	100KHz 0.25V	0.005	15.000
SCB1205-1R3	1.30	M / N	100KHz 0.25V	0.012	8.000
SCB1205-1R5	1.50	N	100KHz 0.25V	0.009	15.000
SCB1205-1R8	1.80	M / N	100KHz 0.25V	0.010	9.000
SCB1205-2R1	2.10	N	100KHz 0.25V	0.010	7.000
SCB1205-2R2	2.20	M / N	100KHz 0.25V	0.010	7.000
SCB1205-3R1	3.10	M / N	7,960KHz 0.25V	0.017	6.000
SCB1205-3R3	3.30	M / N	100KHz 0.25V	0.014	6.750
SCB1205-4R4	4.40	M	100KHz 0.25V	0.020	6.000
SCB1205-4R7	4.70	M / N	100KHz 0.25V	0.018	6.200
SCB1205-5R6	5.60	M / N	100KHz 0.25V	0.018	10.000
SCB1205-6R1	6.10	M / N	100KHz 0.25V	0.021	6.000
SCB1205-6R8	6.80	M / N	100KHz 0.25V	0.023	5.900
SCB1205-7R5	7.50	M / N	100KHz 0.25V	0.024	5.500
SCB1205-8R2	8.20	M / N	100KHz 0.25V	0.025	5.000
SCB1205-100	10.00	M	1.0KHz 0.25V	0.025	4.000
SCB1205-120	12.00	M	1.0KHz 0.25V	0.027	3.500
SCB1205-150	15.00	M	1.0KHz 0.25V	0.030	3.300
SCB1205-180	18.00	M	1.0KHz 0.25V	0.034	3.000
SCB1205-220	22.00	M	1.0KHz 0.25V	0.036	2.800
SCB1205-270	27.00	M	1.0KHz 0.25V	0.051	2.300
SCB1205-330	33.00	M	1.0KHz 0.25V	0.057	2.100
SCB1205-390	39.00	M	1.0KHz 0.25V	0.068	2.000
SCB1205-470	47.00	M	1.0KHz 0.25V	0.075	1.800
SCB1205-560	56.00	M	1.0KHz 0.25V	0.110	1.700
SCB1205-680	68.00	M	1.0KHz 0.25V	0.120	1.500
SCB1205-820	82.00	M	1.0KHz 0.25V	0.140	1.400
SCB1205-101	100.00	M	1.0KHz 0.25V	0.160	1.300
SCB1205-121	120.00	M	1.0KHz 0.25V	0.170	1.100
SCB1205-151	150.00	M	1.0KHz 0.25V	0.230	1.000
SCB1205-181	180.00	M	1.0KHz 0.25V	0.290	0.900
SCB1205-201	200.00		1.0KHz 0.25V	0.350	0.850
SCB1205-221	220.00	M	1.0KHz 0.25V	0.400	0.800
SCB1205-271	270.00	M	1.0KHz 0.25V	0.460	0.750
SCB1205-301	300.00	M	1.0KHz 0.25V	0.490	0.700
SCB1205-331	330.00	M	1.0KHz 0.25V	0.510	0.680
SCB1205-391	390.00	M	1.0KHz 0.25V	0.690	0.650
SCB1205-471	470.00	M	1.0KHz 0.25V	0.770	0.580
SCB1205-561	560.00	M	1.0KHz 0.25V	0.860	0.540
SCB1205-681	680.00	M	1.0KHz 0.25V	1.200	0.480
SCB1205-751	750.00	M	1.0KHz 0.25V	1.300	0.460
SCB1205-821	820.00	M	1.0KHz 0.25V	1.340	0.430
SCB1205-102	1000.00	M / K	1.0KHz 0.25V	1.900	0.400
SCB1205-202	2000.00	M	1.0KHz 0.25V	4.200	0.330
SCB1205-222	2200.00	M	1.0KHz 0.25V	4.550	0.400
SCB1205-242	2400.00	M	1.0KHz 0.25V	4.650	0.350
SCB1205-652	6500.00	N / M	100KHz 0.25V	14.500	0.300

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

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

IDC : ΔL/L(0A) ≤ 30%