

SCB1209 Series

Features :

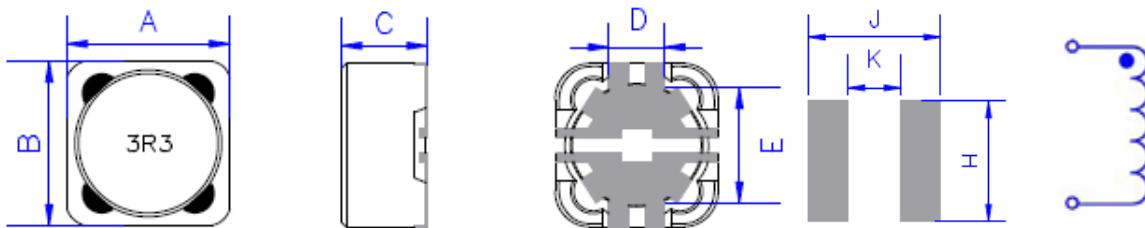
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SCB1209	12 ± 0.3	12 ± 0.3	10.0	5.0 ± 0.2	7.6 ± 0.2	5.4	12.8	7.0

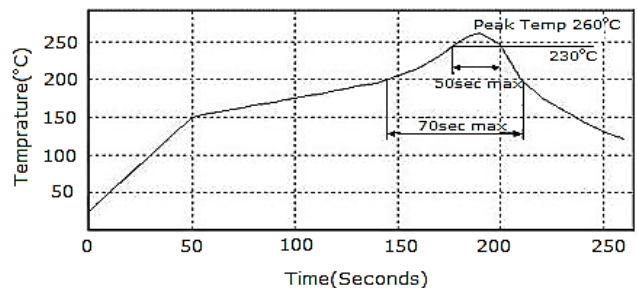
Part Number Code :

SCB 1209 -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.)
SCB1209-1R0	1.00	M	100KHz 0.25V	0.007	17.000
SCB1209-1R5	1.50	N	100KHz 0.25V	0.005	16.000
SCB1209-2R2	2.20	N	100KHz 0.25V	0.008	15.500
SCB1209-2R4	2.40	N	100KHz 0.25V	0.006	15.000
SCB1209-3R3	3.30	N	100KHz 0.25V	0.009	14.000
SCB1209-3R5	3.50	N	100KHz 0.25V	0.009	14.000
SCB1209-5R0	5.00	N	100KHz 0.25V	0.011	11.000
SCB1209-5R6	5.60	N	1.0KHz 0.25V	0.016	8.000
SCB1209-6R8	6.80	N	100KHz 0.25V	0.013	10.000
SCB1209-8R2	8.20	N	100KHz 0.25V	0.015	8.200
SCB1209-100	10.00	M	1.0KHz 0.25V	0.018	7.500
SCB1209-120	12.00	M	1.0KHz 0.25V	0.019	7.000
SCB1209-150	15.00	M	1.0KHz 0.25V	0.024	6.000
SCB1209-180	18.00	M	1.0KHz 0.25V	0.031	5.500
SCB1209-220	22.00	M	1.0KHz 0.25V	0.039	5.000
SCB1209-270	27.00	M	1.0KHz 0.25V	0.045	4.500
SCB1209-330	33.00	M	1.0KHz 0.25V	0.050	4.000
SCB1209-390	39.00	M	1.0KHz 0.25V	0.059	3.800
SCB1209-470	47.00	M	1.0KHz 0.25V	0.069	3.500
SCB1209-560	56.00	M	1.0KHz 0.25V	0.079	3.200
SCB1209-680	68.00	M	1.0KHz 0.25V	0.088	3.000
SCB1209-780	78.00	M	100KHz 0.25V	0.105	2.800
SCB1209-820	82.00	M	1.0KHz 0.25V	0.110	2.600
SCB1209-101	100.00	M	1.0KHz 0.25V	0.140	2.200
SCB1209-121	120.00	M	1.0KHz 0.25V	0.160	2.000
SCB1209-151	150.00	M	1.0KHz 0.25V	0.200	1.800
SCB1209-181	180.00	M	1.0KHz 0.25V	0.270	1.600
SCB1209-221	220.00	M	1.0KHz 0.25V	0.300	1.500
SCB1209-271	270.00	M	1.0KHz 0.25V	0.400	1.300
SCB1209-301	300.00	M	1.0KHz 0.25V	0.420	1.400
SCB1209-331	330.00	M	1.0KHz 0.25V	0.450	1.200
SCB1209-391	390.00	M	1.0KHz 0.25V	0.550	1.100
SCB1209-401	400.00	M	1.0KHz 0.25V	0.720	1.050
SCB1209-471	470.00	M / K	1.0KHz 0.25V	0.600	1.000
SCB1209-561	560.00	M	1.0KHz 0.25V	0.700	0.900
SCB1209-681	680.00	M	1.0KHz 0.25V	0.840	0.820
SCB1209-821	820.00	M	1.0KHz 0.25V	1.060	0.800
SCB1209-102	1000.00	M	1.0KHz 0.25V	1.270	0.760
SCB1209-122	1200.00	M	1.0KHz 0.25V	1.500	0.600
SCB1209-152	1500.00	M	1.0KHz 0.25V	2.500	0.900
SCB1209-202	2000.00	M	1.0KHz 0.25V	3.200	0.500
SCB1209-212	2100.00	M	100KHz 0.25V	2.700	0.500
SCB1209-222	2200.00	M	1.0KHz 0.25V	3.350	0.500
SCB1209-252	2500.00	M	1.0KHz 0.25V	3.510	0.450
SCB1209-332	3300.00	M	1.0KHz 0.25V	4.800	0.500
SCB1209-402	4000.00	M	1.0KHz 0.25V	8.500	0.350
SCB1209-472	4700.00	M / K	1.0KHz 0.25V	5.600	0.480
SCB1209-562	5600.00	K	100KHz 0.25V	7.000	0.400
SCB1209-802	8000.00	M	1.0KHz 0.25V	11.000	0.300
SCB1209-802	8200.00	K	100KHz 0.25V	11.000	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%