

SCB1204 Series

Features :

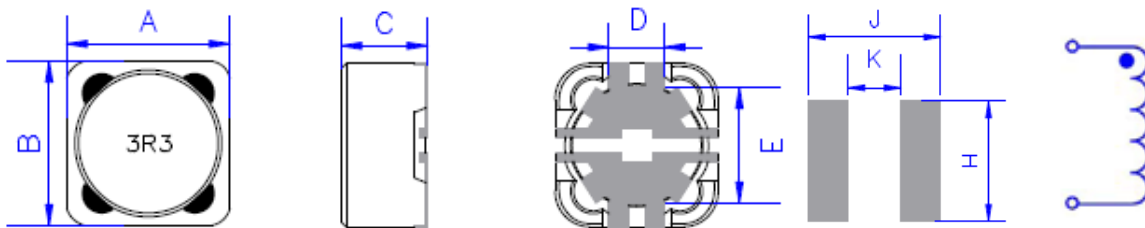
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SCB1204	12 ± 0.3	12 ± 0.3	4.5	5.0 ± 0.2	7.6 ± 0.2	5.4	12.8	7.0

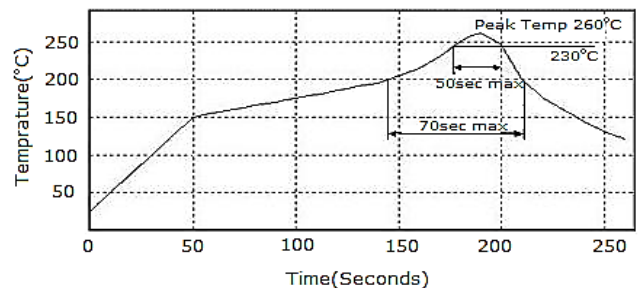
Part Number Code :

SCB 1204 -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.)
SCB1204-1R0	1.00	N	100KHz 0.25V	0.007	13.900
SCB1204-1R2	1.20	M	100KHz 0.25V	0.008	8.750
SCB1204-1R5	1.50	M	100KHz 0.25V	0.008	8.750
SCB1204-1R6	1.60	M	100KHz 0.25V	0.063	8.500
SCB1204-1R9	1.90	M	100KHz 0.25V	0.010	8.500
SCB1204-2R2	2.20	M	100KHz 0.25V	0.013	8.000
SCB1204-2R5	2.50	M	100KHz 0.25V	0.013	8.000
SCB1204-3R3	3.30	N / M	100KHz 0.25V	0.015	6.500
SCB1204-3R9	3.90	M	100KHz 0.25V	0.015	6.500
SCB1204-4R7	4.70	M	100KHz 0.25V	0.018	5.700
SCB1204-5R6	5.60	M	100KHz 0.25V	0.022	5.000
SCB1204-6R1	6.10	M	100KHz 0.25V	0.022	5.000
SCB1204-6R8	6.80	M	100KHz 0.25V	0.023	4.900
SCB1204-8R2	8.20	M	100KHz 0.25V	0.026	4.600
SCB1204-100	10.00	M	1.0KHz 0.25V	0.028	4.500
SCB1204-120	12.00	M	1.0KHz 0.25V	0.038	4.000
SCB1204-150	15.00	M	1.0KHz 0.25V	0.050	3.200
SCB1204-180	18.00	M	1.0KHz 0.25V	0.057	3.100
SCB1204-220	22.00	M	1.0KHz 0.25V	0.066	2.900
SCB1204-270	27.00	M	1.0KHz 0.25V	0.080	2.800
SCB1204-330	33.00	M	1.0KHz 0.25V	0.097	2.700
SCB1204-390	39.00	M	1.0KHz 0.25V	0.132	2.100
SCB1204-470	47.00	M	1.0KHz 0.25V	0.160	1.900
SCB1204-560	56.00	M	100KHz 0.25V	0.190	1.800
SCB1204-680	68.00	M	1.0KHz 0.25V	0.220	1.500
SCB1204-820	82.00	M	1.0KHz 0.25V	0.260	1.300
SCB1204-101	100.00	M	1.0KHz 0.25V	0.308	1.200
SCB1204-121	120.00	M	1.0KHz 0.25V	0.380	1.100
SCB1204-151	150.00	M	1.0KHz 0.25V	0.530	0.950
SCB1204-181	180.00	M	1.0KHz 0.25V	0.620	0.850
SCB1204-221	220.00	M	1.0KHz 0.25V	0.700	0.800
SCB1204-271	270.00	M	1.0KHz 0.25V	0.870	0.600
SCB1204-331	330.00	M	1.0KHz 0.25V	0.990	0.500
SCB1204-471	470.00	M	100KHz 0.25V	1.300	0.700
SCB1204-561	560.00	M	100KHz 0.25V	1.623	0.530
SCB1204-681	680.00	M	1.0KHz 0.25V	2.100	0.450
SCB1204-102	1000.00	M	1.0KHz 0.25V	3.300	0.350

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