

### SCB0605 Series

#### Features :

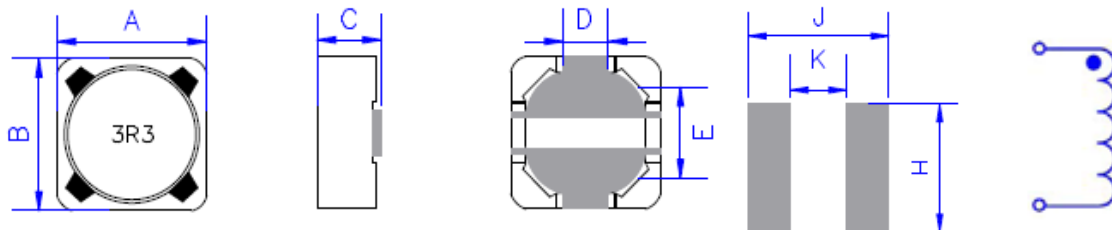
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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	H (ref.)	J (ref.)	K (ref.)
SCB0605	6.6 ± 0.3	6.2 ± 0.3	5.0	1.5	5.9 ± 0.3	1.9	7.4	4.6

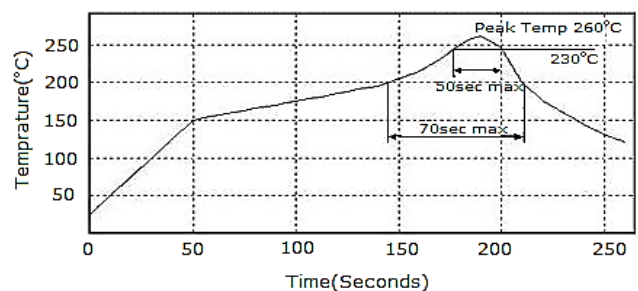
#### Part Number Code :

SCB 0605 -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.)
SCB0605-2R2	2.20	N	100KHz 0.25V	0.030	5.000
SCB0605-3R3	3.30	M	100KHz 0.25V	0.035	3.000
SCB0605-8R2	8.20	M	1.0KHz 0.25V	0.100	2.000
SCB0605-100	10.00	M	1.0KHz 0.25V	0.120	1.350
SCB0605-120	12.00	M	1.0KHz 0.25V	0.130	1.220
SCB0605-150	15.00	M	1.0KHz 0.25V	0.200	1.100
SCB0605-180	18.00	M	1.0KHz 0.25V	0.240	1.020
SCB0605-220	22.00	M	1.0KHz 0.25V	0.270	0.910
SCB0605-270	27.00	M	1.0KHz 0.25V	0.300	0.820
SCB0605-300	30.00	M	1.0KHz 0.25V	0.310	0.780
SCB0605-330	33.00	M	1.0KHz 0.25V	0.330	0.740
SCB0605-390	39.00	M	1.0KHz 0.25V	0.370	0.690
SCB0605-470	47.00	M	1.0KHz 0.25V	0.520	0.620
SCB0605-560	56.00	M	1.0KHz 0.25V	0.560	0.580
SCB0605-680	68.00	M	1.0KHz 0.25V	0.630	0.510
SCB0605-820	82.00	M	1.0KHz 0.25V	0.710	0.460
SCB0605-101	100.00	M	1.0KHz 0.25V	1.030	0.420
SCB0605-121	120.00	M	1.0KHz 0.25V	1.400	0.380
SCB0605-151	150.00	M	1.0KHz 0.25V	1.680	0.350
SCB0605-181	180.00	M	1.0KHz 0.25V	1.870	0.320
SCB0605-221	220.00	M	1.0KHz 0.25V	2.080	0.290
SCB0605-271	270.00	M	1.0KHz 0.25V	2.370	0.260
SCB0605-331	330.00	M	1.0KHz 0.25V	2.670	0.230
SCB0605-391	390.00	M	1.0KHz 0.25V	2.940	0.220
SCB0605-471	470.00	M	1.0KHz 0.25V	3.930	0.200
SCB0605-561	560.00	M	1.0KHz 0.25V	5.430	0.180
SCB0605-681	680.00	M	1.0KHz 0.25V	7.320	0.170
SCB0605-821	820.00	M	1.0KHz 0.25V	8.240	0.150
SCB0605-102	1000.00	M	1.0KHz 0.25V	9.260	0.140

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

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

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