

SLF07045 Series

Features :

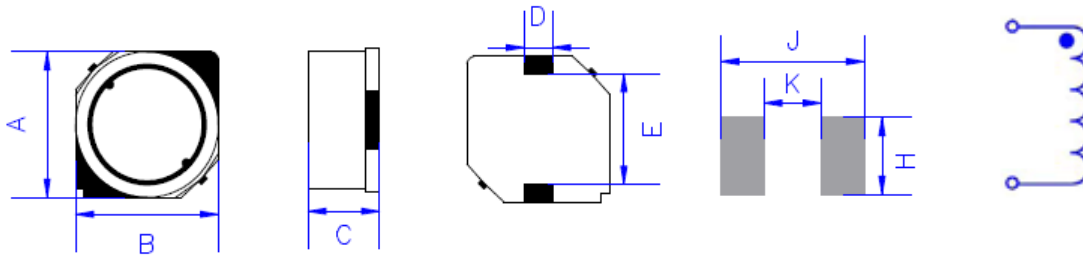
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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	D	E (ref.)	H (ref.)	J (ref.)	K (ref.)
SLF07045	7.0 ± 0.2	7.0 ± 0.2	4.5 ± 0.3	2.0 ± 0.5	4.9	2.3	7.6	4.6

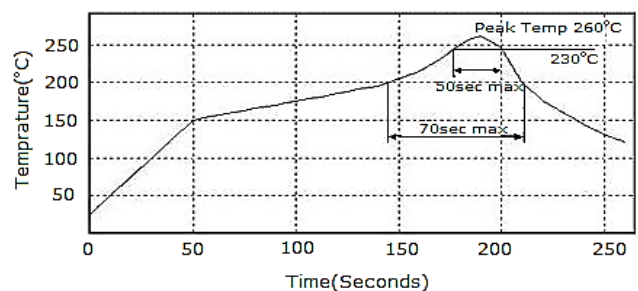
Part Number Code :

SLF 07045 -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) ($\pm 20\%$)	IDC (A) (max.)
SLF07045-1R0	1.00	M	100KHz 0.25V	0.005	3.800
SLF07045-1R2	1.20	M	100KHz 0.25V	0.006	3.800
SLF07045-1R5	1.50	N	100KHz 0.25V	0.013	3.600
SLF07045-2R2	2.20	N	100KHz 0.25V	0.020	2.600
SLF07045-3R3	3.30	N	1.0KHz 0.25V	0.020	2.500
SLF07045-4R7	4.70	N / M	1.0KHz 0.25V	0.029	2.000
SLF07045-6R8	6.80	N / M	100KHz 0.25V	0.039	1.700
SLF07045-100	10.00	M	1.0KHz 0.25V	0.035	1.950
SLF07045-150	15.00	M	1.0KHz 0.25V	0.054	1.400
SLF07045-220	22.00	N / M	1.0KHz 0.25V	0.092	1.300
SLF07045-330	33.00	M	1.0KHz 0.25V	0.096	0.820
SLF07045-470	47.00	M	1.0KHz 0.25V	0.160	1.200
SLF07045-680	68.00	M	1.0KHz 0.25V	0.200	1.000
SLF07045-101	100.00	M	1.0KHz 0.25V	0.250	0.600
SLF07045-151	150.00	M	1.0KHz 0.25V	0.480	0.600
SLF07045-221	220.00	M	1.0KHz 0.25V	0.850	0.450
SLF07045-271	270.00		1.0KHz 0.25V	0.900	0.400
SCB0704-331	330.00	M	1.0KHz 0.25V	1.100	0.300
SCB0704-681	680.00	M	1.0KHz 0.25V	2.080	0.270
SCB0704-152	1500.00		1.0KHz 0.25V	3.600	0.100

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