

SLF10145 Series

Features :

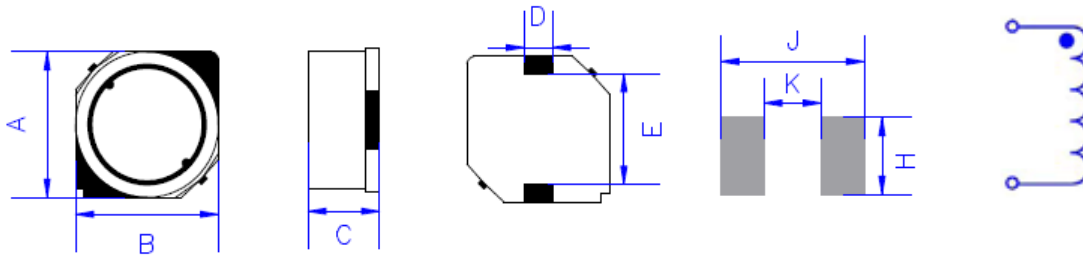
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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	H (ref.)	J (ref.)	K (ref.)
SLF10145	10.1 ± 0.3	10.1 ± 0.3	4.5 ± 0.3	2.5 ± 0.5	6.0 ± 0.2	3.3	10.8	5.5

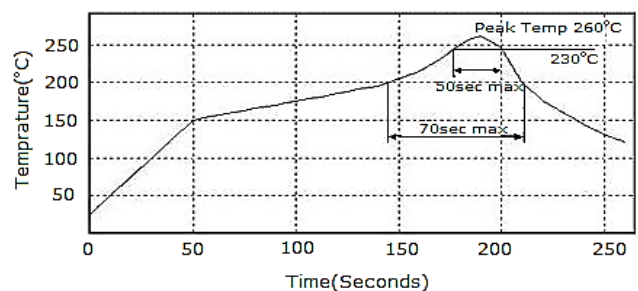
Part Number Code :

SLF 10145 -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) (±20%)	IDC (A) (max.)
SLF10145-1R0	1.00	N / M	100KHz 0.25V	0.012	7.800
SLF10145-1R5	1.50	M	100KHz 0.25V	0.014	5.800
SLF10145-2R2	2.20	N / M	100KHz 0.25V	0.015	5.600
SLF10145-3R3	3.30	N / M	100KHz 0.25V	0.016	5.100
SLF10145-3R9	3.90	N / M	100KHz 0.25V	0.018	4.100
SLF10145-4R7	4.70	N / M	100KHz 0.25V	0.020	3.700
SLF10145-5R6	5.60	N / M	100KHz 0.25V	0.022	3.400
SLF10145-6R5	6.50	N	100KHz 0.25V	0.025	3.300
SLF10145-6R8	6.80	N / M	100KHz 0.25V	0.025	3.200
SLF10145-8R2	8.20	N / M	100KHz 0.25V	0.027	3.100
SLF10145-100	10.00	M	1.0KHz 0.25V	0.036	3.000
SLF10145-120	12.00	M	1.0KHz 0.25V	0.033	2.500
SLF10145-150	15.00	M	1.0KHz 0.25V	0.047	2.400
SLF10145-180	18.00	M	1.0KHz 0.25V	0.052	2.200
SLF10145-220	22.00	M	1.0KHz 0.25V	0.059	2.100
SLF10145-270	27.00	M	1.0KHz 0.25V	0.073	1.700
SLF10145-330	33.00	M	1.0KHz 0.25V	0.082	1.600
SLF10145-390	39.00	M	1.0KHz 0.25V	0.099	1.500
SLF10145-470	47.00	M	1.0KHz 0.25V	0.100	1.400
SLF10145-560	56.00	M	1.0KHz 0.25V	0.130	1.300
SLF10145-680	68.00	M	1.0KHz 0.25V	0.140	1.200
SLF10145-820	82.00	M	100KHz 0.25V	0.190	1.100
SLF10145-101	100.00	M	1.0KHz 0.25V	0.200	1.000
SLF10145-121	120.00	M	1.0KHz 0.25V	0.280	0.800
SLF10145-151	150.00	M	1.0KHz 0.25V	0.350	0.790
SLF10145-181	180.00	M	1.0KHz 0.25V	0.420	0.690
SLF10145-221	220.00	M	1.0KHz 0.25V	0.470	0.650
SLF10145-271	270.00	M	1.0KHz 0.25V	0.620	0.550
SLF10145-331	330.00	M	1.0KHz 0.25V	0.680	0.540
SLF10145-391	390.00	M	1.0KHz 0.25V	0.900	0.490
SLF10145-471	470.00	M	1.0KHz 0.25V	1.030	0.470
SLF10145-561	560.00	M	1.0KHz 0.25V	1.300	0.400
SLF10145-681	680.00	M	1.0KHz 0.25V	1.600	0.380
SLF10145-821	820.00	M	1.0KHz 0.25V	1.800	0.330
SLF10145-102	1000.00	M	1.0KHz 0.25V	2.800	0.320
SLF10145-152	1500.00	M	1.0KHz 0.25V	3.400	0.220

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

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

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