

SLF1275 Series

Features :

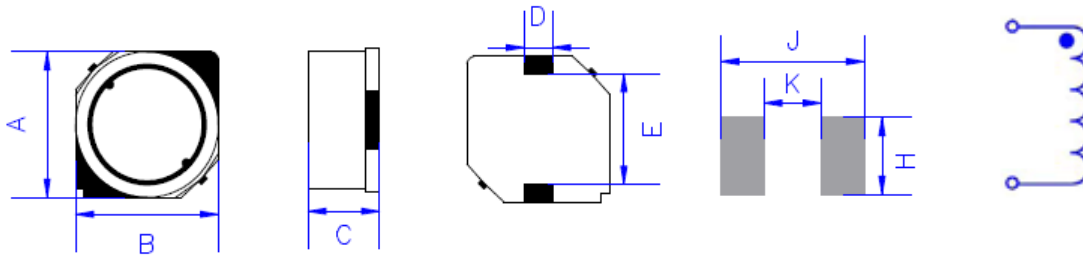
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SLF1275	12.5 ± 0.3	12.5 ± 0.3	7.5 ± 0.35	3.0 ± 0.5	8.5	3.2	13.6	8.6

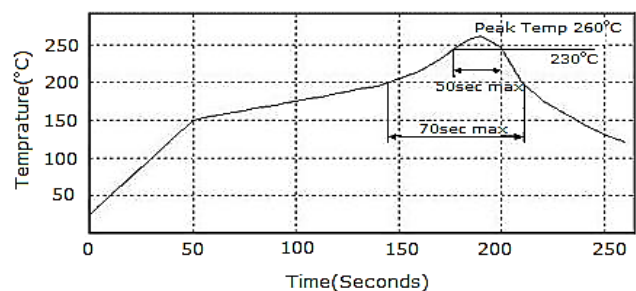
Part Number Code :

SLF 1275 -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.)
SLF1275-1R2	1.20	M	1.0KHz 0.50V	0.007	13.000
SLF1275-2R0	2.00	M	1.0KHz 0.50V	0.008	11.000
SLF1275-2R7	2.70	M	1.0KHz 0.50V	0.009	10.000
SLF1275-3R3	3.30	M	1.0KHz 0.50V	0.010	9.500
SLF1275-3R9	3.90	M	1.0KHz 0.50V	0.010	9.000
SLF1275-5R6	5.60	M	1.0KHz 0.50V	0.012	7.800
SLF1275-6R8	6.80	M	1.0KHz 0.50V	0.013	7.200
SLF1275-100	10.00	M	1.0KHz 0.50V	0.016	5.500
SLF1275-150	15.00	M	1.0KHz 0.50V	0.018	4.700
SLF1275-220	22.00	M	1.0KHz 0.50V	0.026	4.000
SLF1275-330	33.00	M	1.0KHz 0.50V	0.039	3.200
SLF1275-390	39.00	M	1.0KHz 0.25V	0.044	3.000
SLF1275-470	47.00	M	1.0KHz 0.50V	0.053	2.700
SLF1275-560	56.00	M	1.0KHz 0.50V	0.069	2.300
SLF1275-680	68.00	M	1.0KHz 0.25V	0.078	2.000
SLF1275-820	82.00	M	1.0KHz 0.50V	0.110	1.950
SLF1275-101	100.00	M	1.0KHz 0.50V	0.125	1.900
SLF1275-151	150.00	M	1.0KHz 0.50V	0.175	1.600
SLF1275-181	180.00	M	1.0KHz 0.50V	0.200	1.450
SLF1275-221	220.00	M	1.0KHz 0.50V	0.258	1.300
SLF1275-331	330.00	M	1.0KHz 0.50V	0.370	1.100
SLF1275-681	380.00	M	1.0KHz 0.25V	0.625	0.800
SLF1275-102	1000.00	M	1.0KHz 0.25V	1.080	0.650

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