

### SLF1255 Series

#### Features :

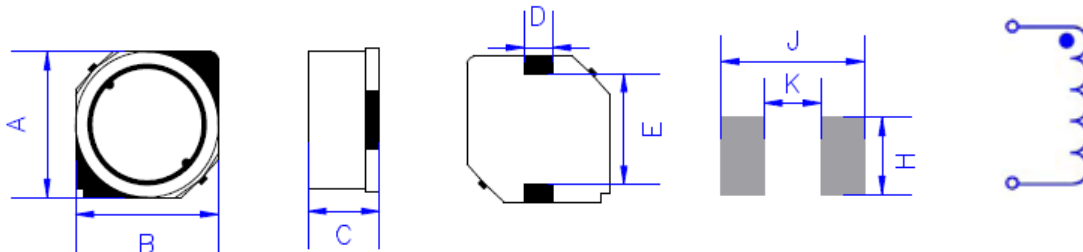
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering 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.)
SLF1255	12.5 ± 0.3	12.5 ± 0.3	5.5 ± 0.3	3.0 ± 0.5	8.5	3.2	13.6	8.6

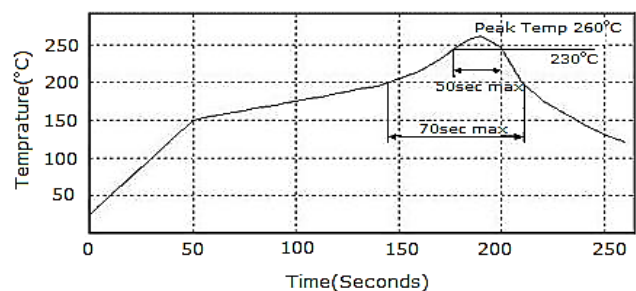
#### Part Number Code :

SLF 1255 -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( $\Omega$ ) ( $\pm 20\%$ )	IDC (A) (max.)
SLF1255-6R0	6.00	M	1.0KHz 0.50V	0.016	3.600
SLF1255-6R8	6.80		1.0KHz 0.50V	0.018	3.400
SLF1255-100	10.00	M	1.0KHz 0.50V	0.021	3.400
SLF1255-150	15.00	M	1.0KHz 0.50V	0.026	2.800
SLF1255-220	22.00	M	1.0KHz 0.50V	0.034	2.300
SLF1255-330	33.00	M	1.0KHz 0.50V	0.041	1.900
SLF1255-470	47.00	M	1.0KHz 0.50V	0.062	1.600
SLF1255-560	56.00	M	1.0KHz 0.50V	0.076	1.450
SLF1255-680	68.00	M	1.0KHz 0.50V	0.083	1.300
SLF1255-101	100.00	M	1.0KHz 0.50V	0.117	1.100
SLF1255-151	150.00	M	1.0KHz 0.50V	0.190	0.880
SLF1255-221	220.00	M	1.0KHz 0.50V	0.270	0.720
SLF1255-331	330.00	M	1.0KHz 0.50V	0.410	0.590
SLF1255-471	470.00	M	1.0KHz 0.50V	0.520	0.490
SLF1255-681	680.00	M	1.0KHz 0.50V	0.760	0.430
SLF1255-102	1000.00	M	1.0KHz 0.50V	1.120	0.340
SLF1255-152	1500.00	M	1.0KHz 0.50V	1.730	0.290

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

Inductanc tolerance : N $\pm 30\%$  M $\pm 20\%$  L $\pm 15\%$  K $\pm 10\%$  J $\pm 5\%$

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