



Features

- Current rating up to 2.7 A
- Inductance range: 35 to 1000 μ H
- Frequency range to 250 MHz
- RoHS compliant* and halogen free**

Applications

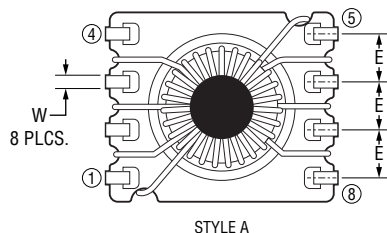
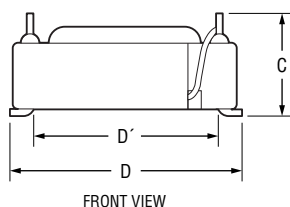
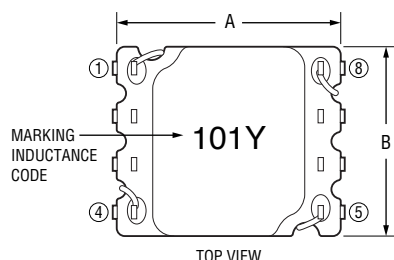
- EMI suppression

SRF1360 Series – SMD Line Filter

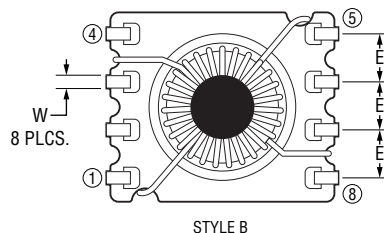
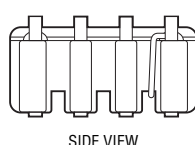
Electrical Specifications @ 25 °C

Part Number	Inductance L1, L2 @ 100 kHz / 0.1 V (μ H)	DC Resistance N1, N2 (Ω) Max.	Rated Voltage (V) VDC	Rated Current (A) Max	Hi-Pot Test	Impedance (Ω) Min.	Freq. Range (MHz)	Style
SRF1360-350Y	35 $\pm$ 35 %	0.035	50	2.7	500 VAC 60 Hz 3 mA 1 min.	400	5 ~ 250	B
SRF1360-600Y	60 $\pm$ 35 %	0.065		2.0		600	5 ~ 100	A
SRF1360-101Y	100 $\pm$ 35 %	0.100		0.7		300	1 ~ 50	
SRF1360-251Y	250 $\pm$ 35 %	0.150		0.6		600	1 ~ 40	
SRF1360-501Y	500 $\pm$ 35 %	0.300		0.4		1200	1 ~ 40	
SRF1360-102Y	1000 $\pm$ 35 %	0.400		0.35		2200	0.5 ~ 10	

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$



A	B	C	D	D' Ref.	E	W
12.4 ± 0.3 (.488 $\pm$.012)	10.2 ± 0.3 (.402 $\pm$.012)	5.4 ± 0.3 (.213 $\pm$.012)	12.7 ± 0.5 (.50 $\pm$.020)	9.8 (.386)	2.5 ± 0.2 (.098 $\pm$.008)	0.7 ± 0.2 (.028 $\pm$.008)

Additional Information

Click these links for more information:



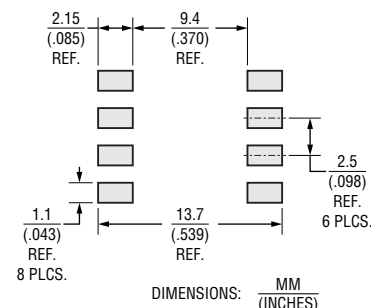
General Specifications

Operating Temperature -40 °C to +105 °C
 Storage Temperature -40 °C to +105 °C
 Temperature Rise 45 °C at rated I_{rms}
 Moisture Sensitivity Level: 1
 ESD Classification (HBM): N/A

Materials

Core Material Ferrite
 Wire Enameled copper
 Terminal Finish Cu/Ag/Sn
 Packaging 600 pcs. per 13-inch reel

Recommended Layout



* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less;
 (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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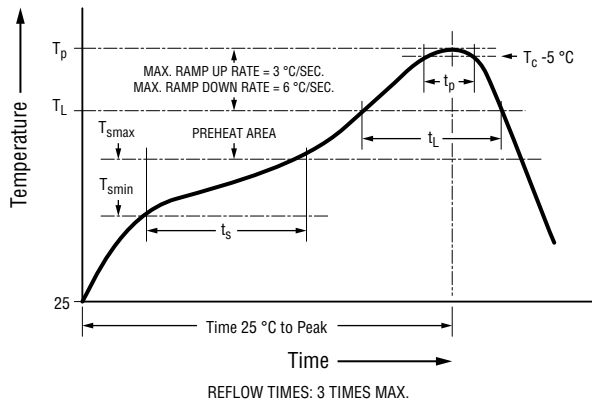


WARNING
 Cancer and Reproductive Harm
www.P65Warnings.ca.gov

SRF1360 Series – SMD Line Filter

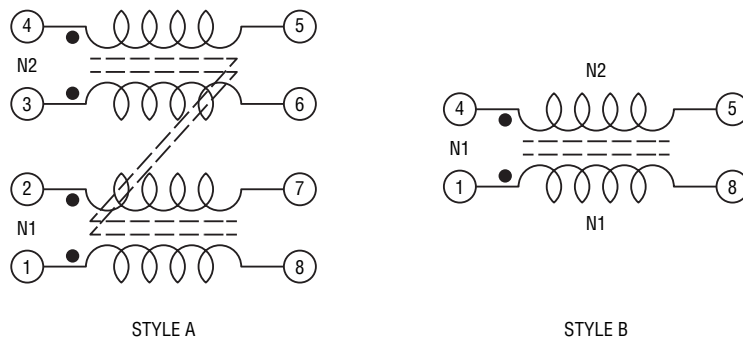
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Soldering Profile



Profile Feature	Pb Free Assembly
Preheat - Temperature Min. (T_{smin}) - Temperature Max. (T_{smax}) - Time(t_s) from T_{smin} to T_{smax}	150 °C 200 °C 60-120 seconds
Ramp-up Rate (T_L to T_p)	3 °C/second max.
Liquidous temperature (T_L) Time (t_L) maintained above T_L	217 °C 60-150 seconds
Peak package body temperature (T_p)	245 °C
Time (t_p) at $T_C - 5\text{ °C}$ (T_p should be equal to or less than T_C)	< 30 seconds
Ramp-Down Rate (T_p to T_L)	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

Electrical Schematic

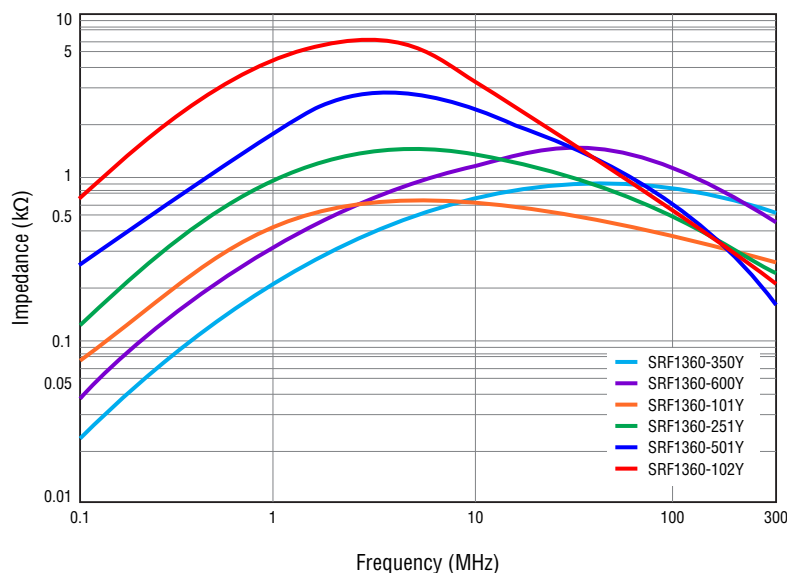


How to Order

SRF1360 - 350 Y

Model _____
Value Code (see table) _____
Tolerance _____
Y = $\pm 35\%$

Typical Impedance vs. Frequency Curves



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Technical drawings of the 1000 Series 1/2" (12.7mm) diameter reel. The left drawing shows the front and side views with dimensions: overall diameter 330 (13), central hole diameter 13 ± 0.5 (.512 ± .020) DIA., and a small central feature with a diameter of 2.0 ± 0.5 (.079 ± .020). The right drawing shows the side view of the reel with a cover tape and an embossed carrier. Dimensions include a width of 30.4 (1.197), a height of 60 (2.362) MIN., a width of 26 (1.024) MAX., and a carrier width of 24 (.945).



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