

BOURNS®

Features

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

Applications

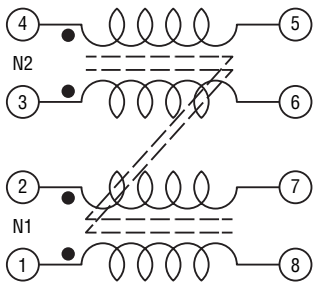
- EMI suppression

SRF1360 Series – SMD Line Filter

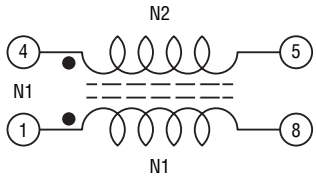
Electrical Specifications @ 25 °C

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

Electrical Schematic



STYLE A



STYLE B

Additional Information

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

General Specifications

Operating Temperature ..... -40 °C to +105 °C
Storage Temperature ..... -40 °C to +105 °C
Temperature Rise ..... 45 °C at rated Irms
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

How to Order

SRF1360 - 350 Y

Model
Value Code (see table)
Tolerance
Y = ±35 %

BOURNS®

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www.bourns.com

CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov

* 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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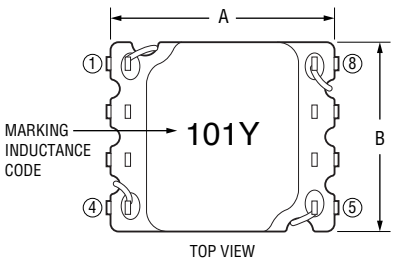
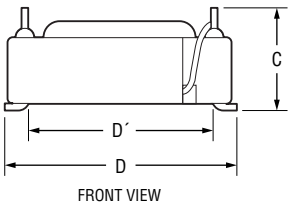
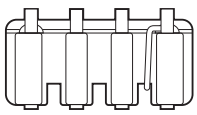
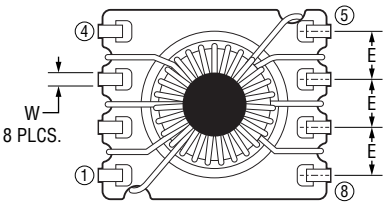
Product Dimensions

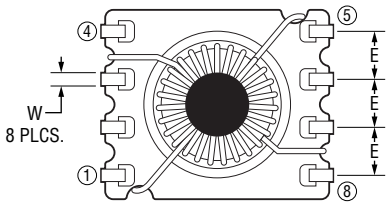


DIMENSIONS: MM (INCHES)



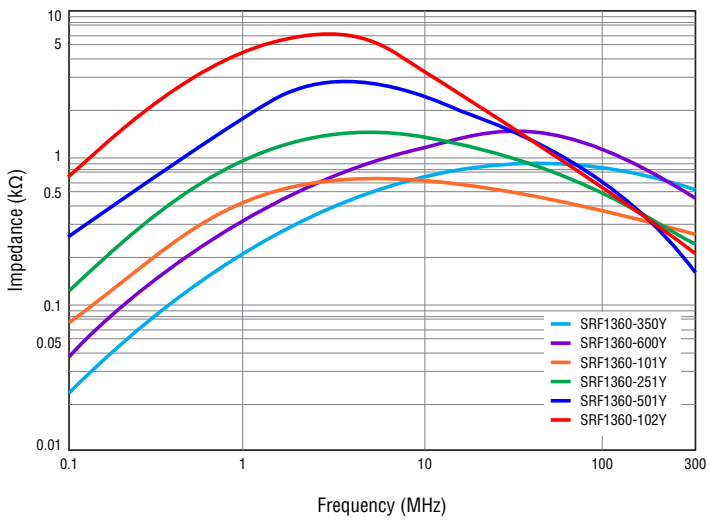




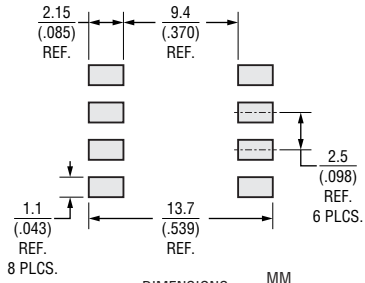


A	B	C	D	D´ Ref.	E	W
12.4 ± 0.3 (.488 ± .012)	10.2 ± 0.3 (.402 ± .012)	5.4 ± 0.3 (.213 ± .012)	12.7 ± 0.5 (.50 ± .020)	9.8 (.386)	2.5 ± 0.2 (.098 ± .008)	0.7 ± 0.2 (.028 ± .008)

Typical Impedance vs. Frequency Curves



Recommended Layout



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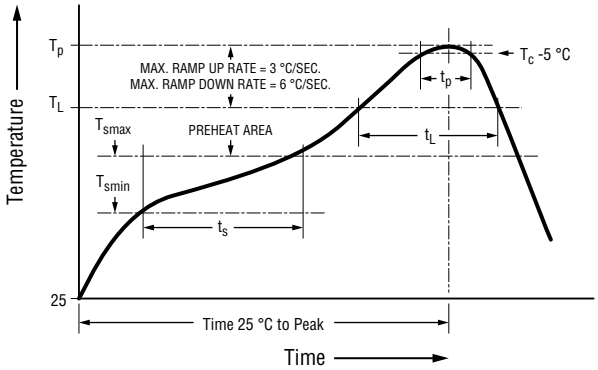
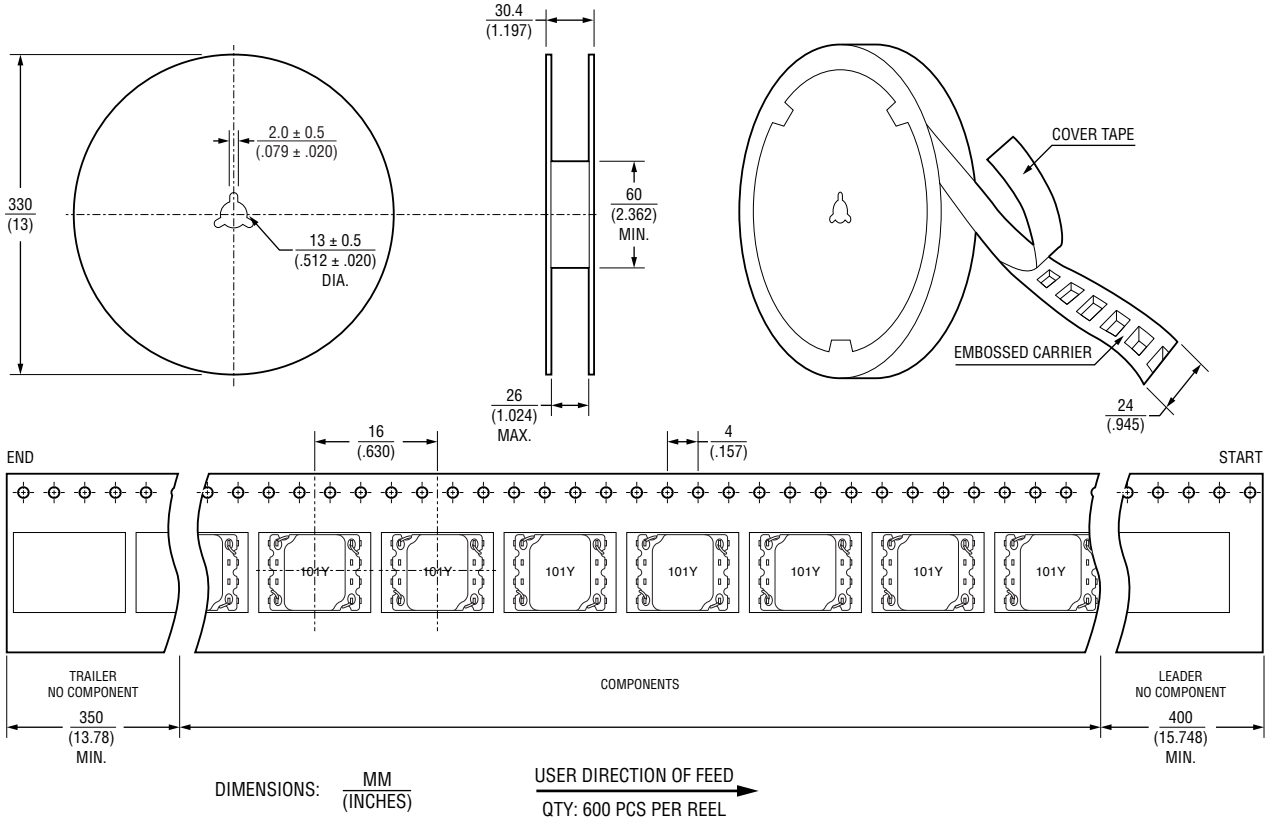
Soldering Profile



REFLOW TIMES: 3 TIMES MAX.

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 °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.

Packaging Specifications



REV. 10/26

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