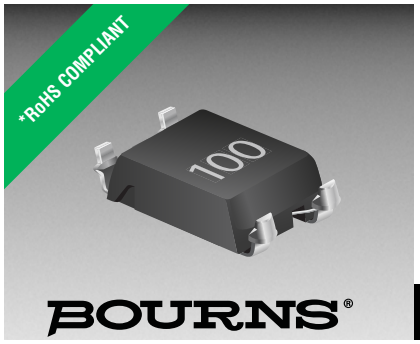


Features

- Current rating of 300 mA
- Inductance range: 10 to 330 μH
- Frequency range to 1600 MHz
- RoHS compliant*

Applications

- EMI suppression

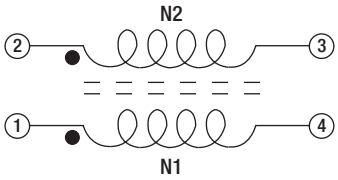
SRF0602 Series - Line Filter

Electrical Specifications @ 25 °C

Part Number	L (μH) *	Leakage Inductance (μH) Max.	DCR (Ω) max. (each winding)	Rated Current (mA)	Impedance (Z)	
					Freq. Range (MHz)	Min. Value (Ω)
SRF0602-100Y	10 ± 50 %	1	0.24	300	35 - 570	600
SRF0602-470Y	47 ± 50 %	4	0.16	300	4 - 1600	140
SRF0602-820Y	82 ± 50 %	4	0.02	300	3 - 850	220
SRF0602-101Y	100 ± 50 %	8	0.22	300	3 - 660	260
SRF0602-181Y	180 ± 50 %	8	0.25	300	3 - 250	500
SRF0602-221Y	220 ± 50 %	10	0.28	300	3 - 210	600
SRF0602-331Y	330 ± 50 %	10	0.30	300	3 - 120	900

* Test condition: 2 mV, 10 KHz

Schematic



How to Order

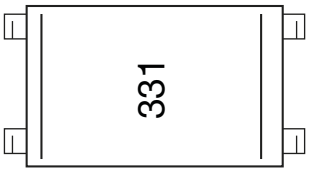
SRF0602 - 101 Y

Model

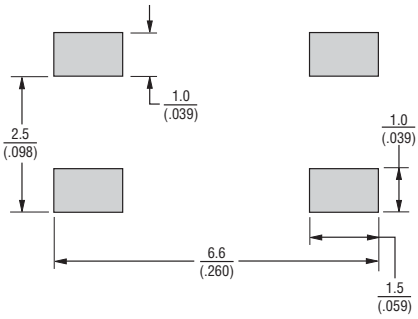
Value Code (see table)

Tolerance Code
Y = ±50 %

Typical Part Marking



Recommended Layout



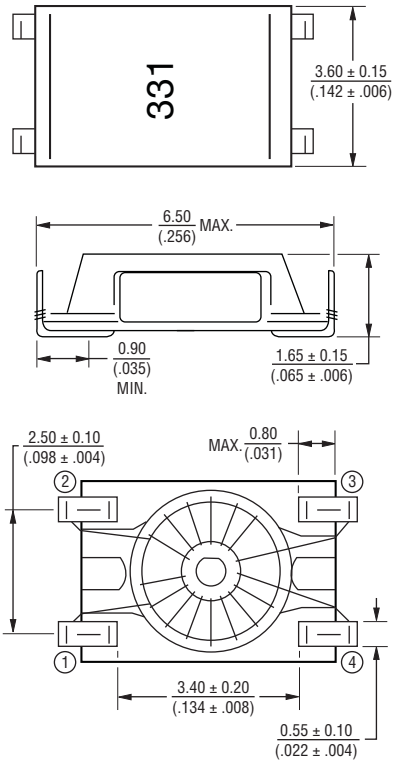
General Specifications

Temperature Rise.. 20 °C at rated current
Rated Voltage.....50 Vdc
Hi-Pot ..... 250 VAC, 60 Hz,
3 mA max. for 1 minute
Operating Temperature
..... -40 °C to +105 °C
(Temperature rise included)
Storage Temperature .. -40 °C to +105 °C
Solderability.....260 °C for 5 sec.
(JEDEC J-STD-020D)

Materials

Core Material.....Ferrite
Base .....LCP
Wire .....Enameled copper
Terminal coating .....Sn
Packaging..... 1000 pcs. per 7-inch reel

Product Dimensions



DIMENSIONS: MM / (INCHES)

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The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
www.bourns.com

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

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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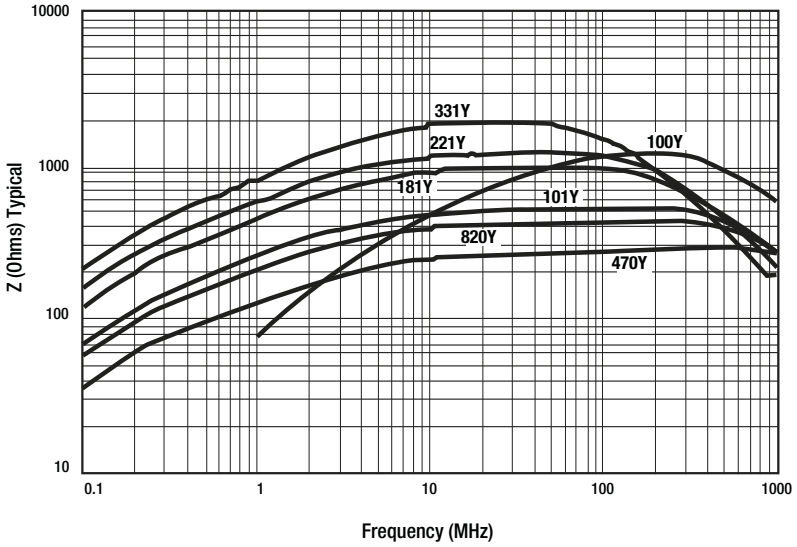
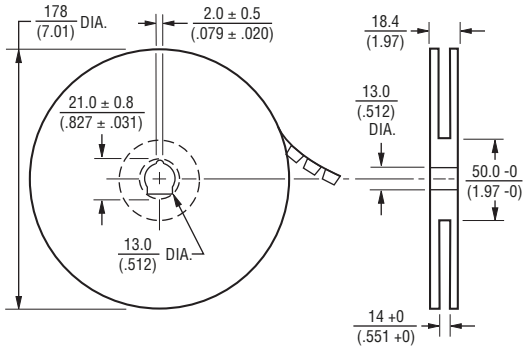
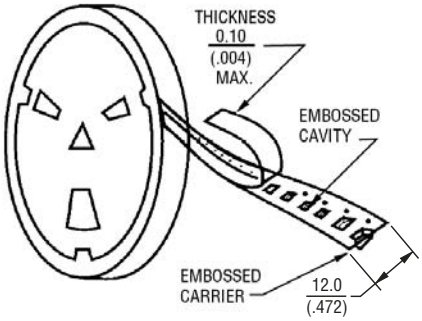
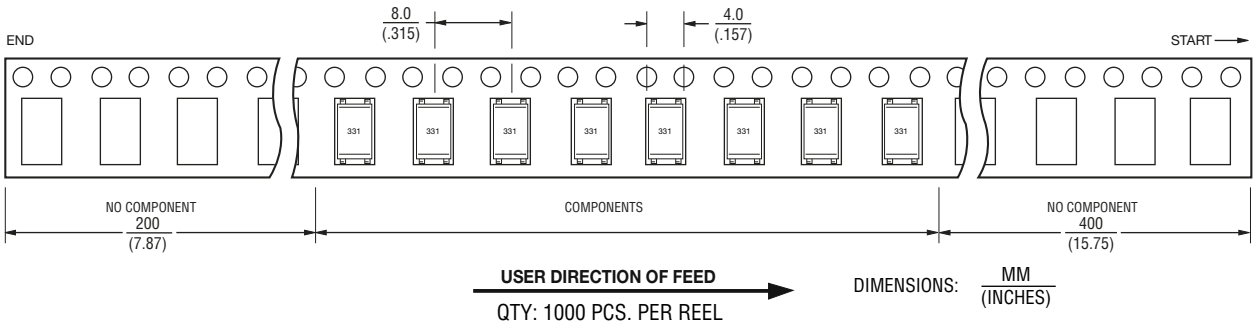
Impedance Graph



Packaging Specifications







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