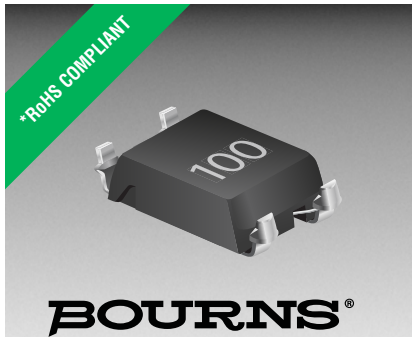




**THE DATASHEET OF  
SRF0602-221Y**





## Features

- Current rating of 300 mA
- Inductance range: 10 to 330  $\mu$ H
- Frequency range to 1600 MHz
- RoHS compliant\*

## Applications

- EMI suppression

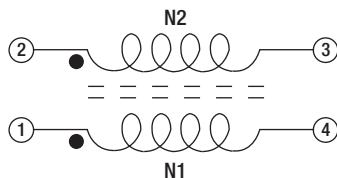
# SRF0602 Series - Line Filter

### Electrical Specifications @ 25 °C

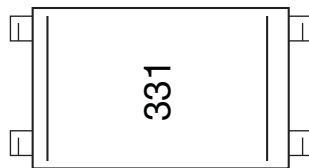
Part Number	L ( $\mu$ H) *	Leakage Inductance ( $\mu$ H) Max.	DCR ( $\Omega$ ) max. (each winding)	Rated Current (mA)	Impedance (Z)	
					Freq. Range (MHz)	Min. Value ( $\Omega$ )
SRF0602-100Y	10 $\pm$ 50 %	1	0.24	300	35 - 570	600
SRF0602-470Y	47 $\pm$ 50 %	4	0.16	300	4 - 1600	140
SRF0602-820Y	82 $\pm$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

\* Test condition: 2 mV, 10 KHz

### Schematic



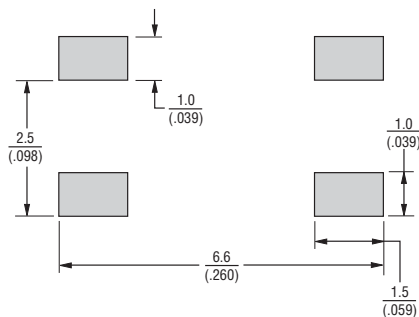
### Typical Part Marking



### How to Order

Model SRF0602 - 101 Y  
 Value Code (see table) \_\_\_\_\_  
 Tolerance Code \_\_\_\_\_  
 Y =  $\pm$ 50 %

### Recommended Layout



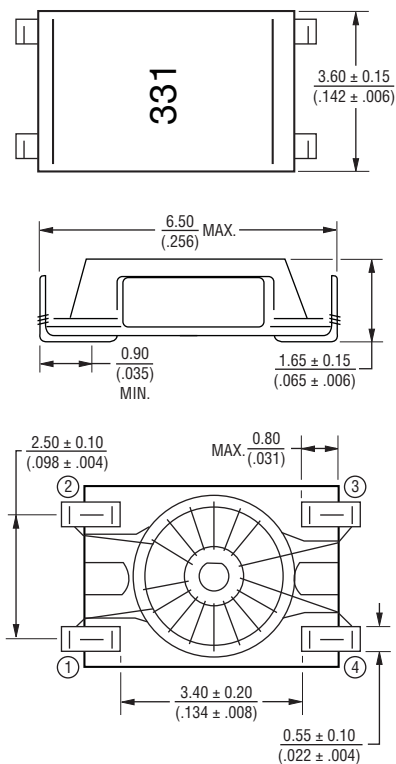
### General Specifications

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



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 Europe: Tel: +41-41 768 5555 • Fax: +41-41 768 5510  
 The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700  
[www.bourns.com](http://www.bourns.com)



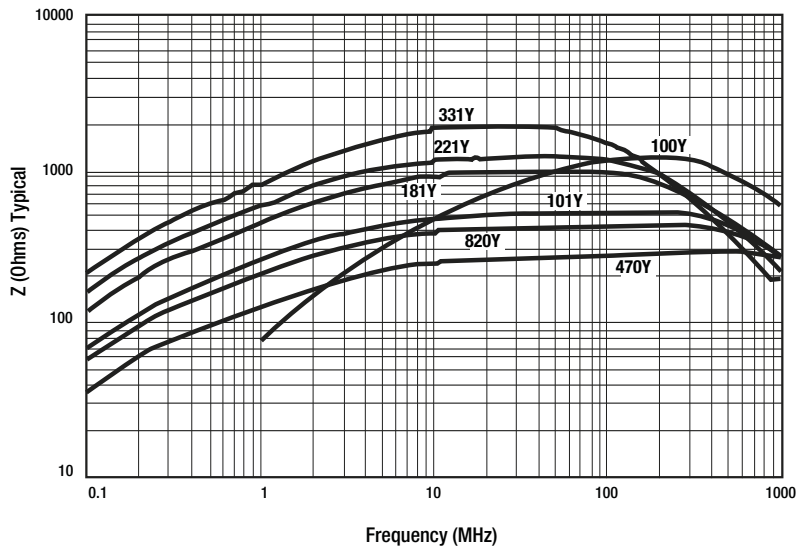
**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
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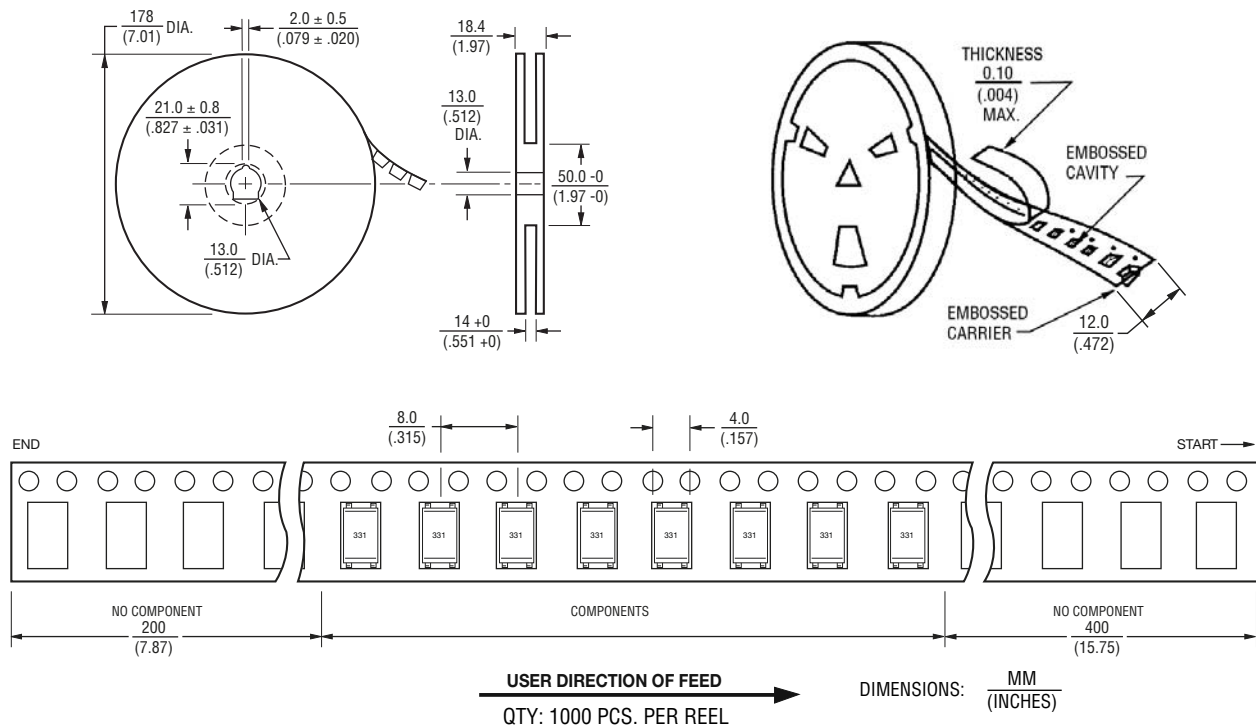
# SRF0602 Series - Line Filter

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## Impedance Graph



## Packaging Specifications



REV. 06/13

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