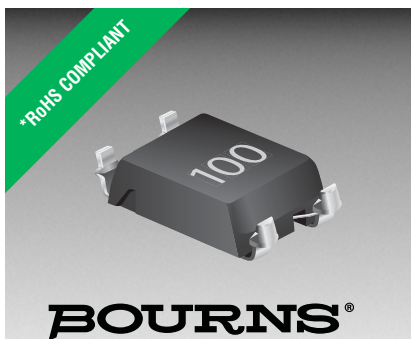




Features

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

Applications

- EMI suppression

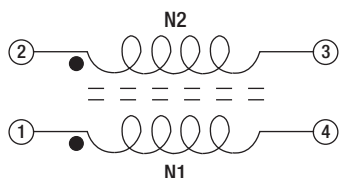
SRF0602 Series - Line Filter

Electrical Specifications @ 25 °C

Part Number	L (μ H) *	Leakage Inductance (μ H) Max.	DCR (Ω) max. (each winding)	Rated Current (mA)	Impedance (Z)	
					Freq. Range (MHz)	Min. Value (Ω)
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

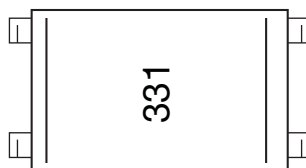


How to Order

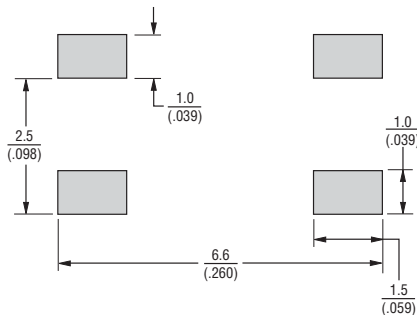
Model _____
Value Code (see table) _____
Tolerance Code _____
Y = $\pm$ 50 %

SRF0602 - 101 Y

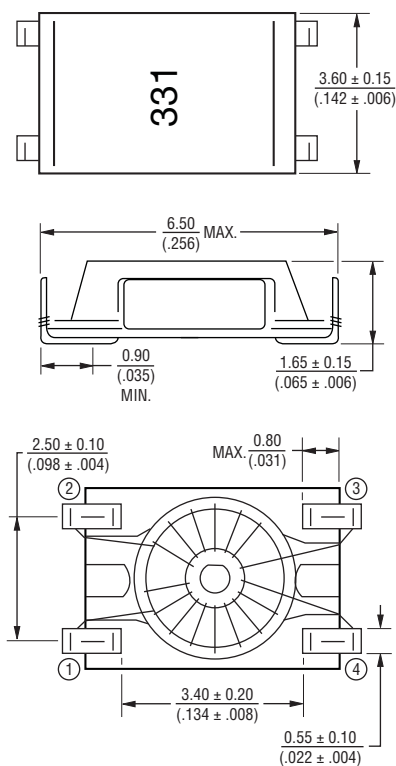
Typical Part Marking



Recommended Layout



Product Dimensions



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

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

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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The graph shows the typical impedance Z in Ohms versus frequency in MHz for various resistor types. The y-axis is logarithmic, ranging from 10 to 10,000 Ohms. The x-axis is logarithmic, ranging from 0.1 to 1,000 MHz. The curves represent different resistor types: 331Y, 221Y, 100Y, 181Y, 101Y, 820Y, and 470Y. The impedance generally increases with frequency up to a peak and then decreases.

Frequency (MHz)	331Y (Ohms)	221Y (Ohms)	100Y (Ohms)	181Y (Ohms)	101Y (Ohms)	820Y (Ohms)	470Y (Ohms)
0.1	200	100	50	30	20	15	10
1	800	400	200	120	80	50	30
10	2000	1000	500	300	200	150	100
100	1500	1000	500	300	200	150	100
1000	500	300	200	150	100	80	50

Technical drawing of a 331 component showing top, side, and end views with dimensions in mm and inches.

Top View Dimensions:

- Overall Diameter: 178 (7.01) DIA.
- Inner Hole Diameter: 13.0 (.512) DIA.
- Inner Hole Position: 21.0 ± 0.8 (.827 ± .031)
- Outer Hole Diameter: 18.4 (1.97)
- Outer Hole Position: 13.0 (.512) DIA.
- Outer Hole Thickness: 2.0 ± 0.5 (.079 ± .020)

Side View Dimensions:

- Overall Thickness: 50.0 -0 (1.97 -0)
- Inner Hole Thickness: 14 +0 (.551 +0)

End View Dimensions:

- Overall Length: 12.0 (.472)
- EMBOSS CAVITY
- EMBOSS CARRIER
- THICKNESS 0.10 (.004) MAX.

End View Details:

- END
- START
- NO COMPONENT 200 (7.87)
- COMPONENTS
- NO COMPONENT 400 (15.75)
- USER DIRECTION OF FEED
- QTY: 1000 PCS. PER REEL
- DIMENSIONS: MM (INCHES)

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