

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

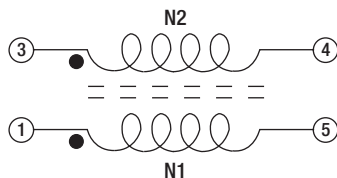
General Specifications

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 +85 °C
 (Temperature rise included)
 Storage Temperature -40 °C to +85 °C
 Solderability 260 °C for 5 sec.
 (JEDEC J-STD-020D)

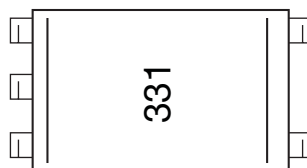
Materials

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

Schematic



Typical Part Marking

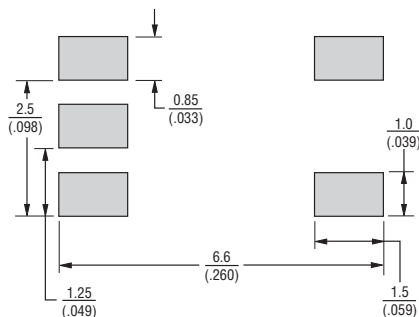


How to Order

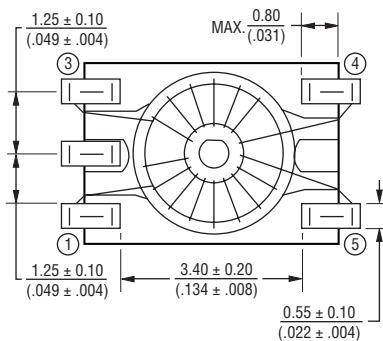
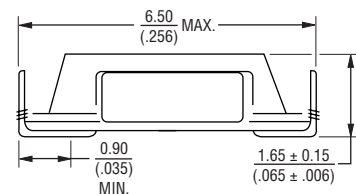
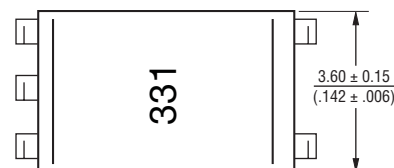
SRF0602 - 101 Y

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

Recommended Layout



Product Dimensions



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



Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116
 Europe: Tel: +41-41 768 5555 • Fax: +41-41 768 5510
 The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
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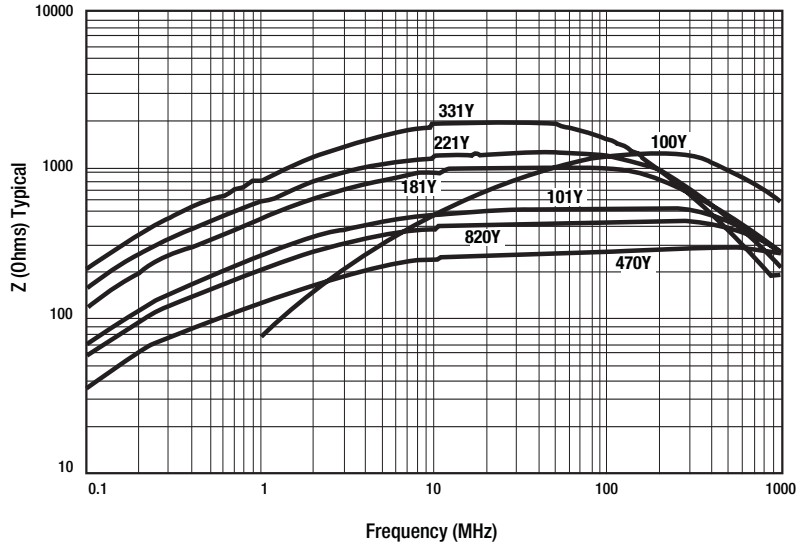
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications

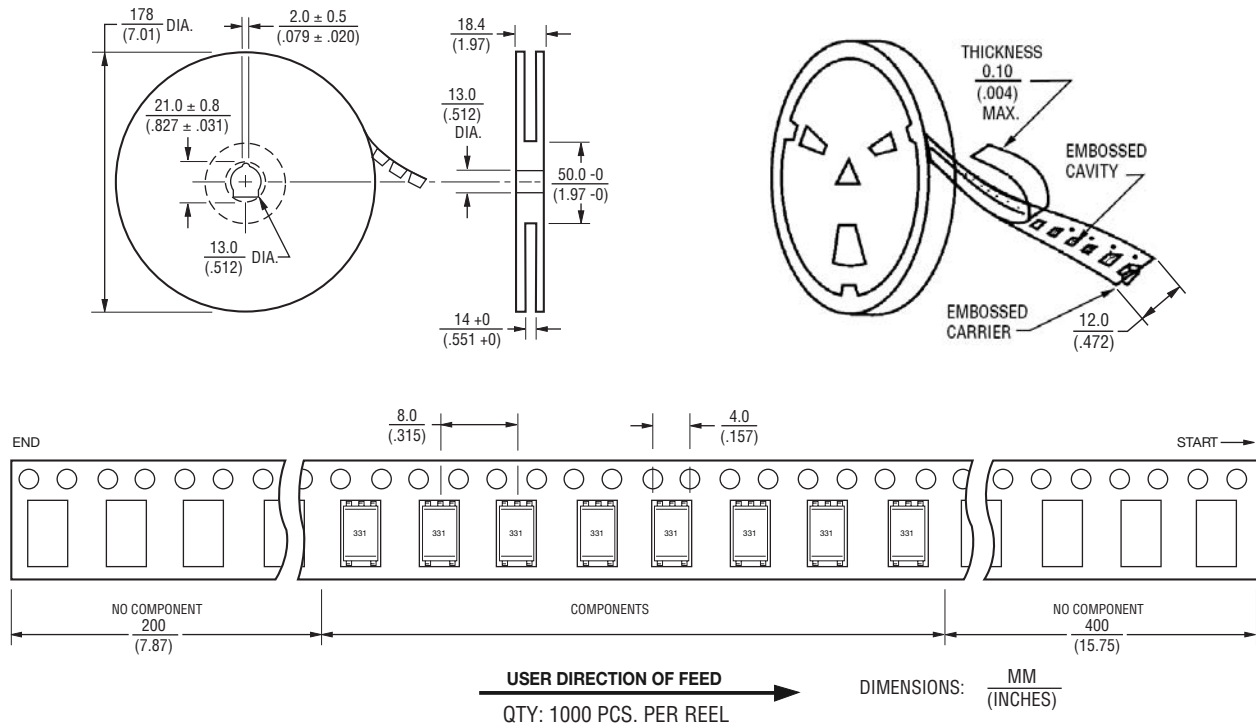
SRF0602 Series - Line Filter

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Impedance Graph



Packaging Specifications



05/09

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