

Features

- Current rating up to 5 A
- Inductance range: 0.60 to 6.0 μ H
- Frequency range to 1200 MHz
- RoHS compliant*

Applications

- EMI suppression

SRF0504 Series - Line Filter

Electrical Specifications @ 25 °C

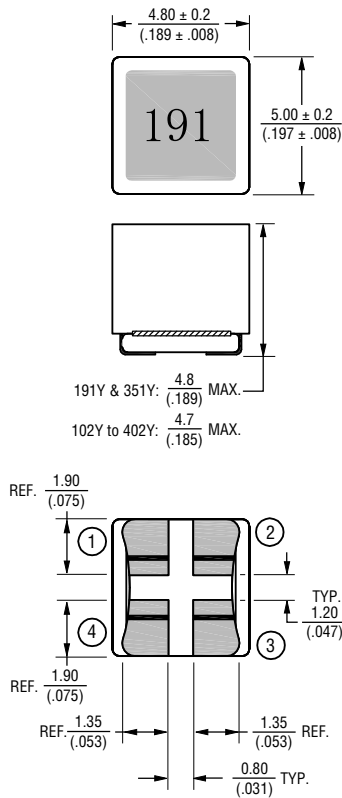
Part Number	L (μ H) ** (Ref.)	Impedance*** Z (Ω) @ 100 MHz	DCR (m Ω) max. (each winding)	Rated Current (mA)
SRF0504-191Y	0.60	190 \pm 35 %	20	5000
SRF0504-351Y	1.1	350 \pm 35 %	40	2000
SRF0504-102Y	2.7	1000 \pm 35 %	60	1500
SRF0504-152Y	3.6	1500 \pm 35 %	100	1000
SRF0504-302Y	6.0	3000 \pm 50 %	200	500
SRF0504-402Y	2.8	4000 \pm 50 %	300	200

** Test condition: 100 KHz, 0.1 V

*** At 20 °C.

Product Dimensions

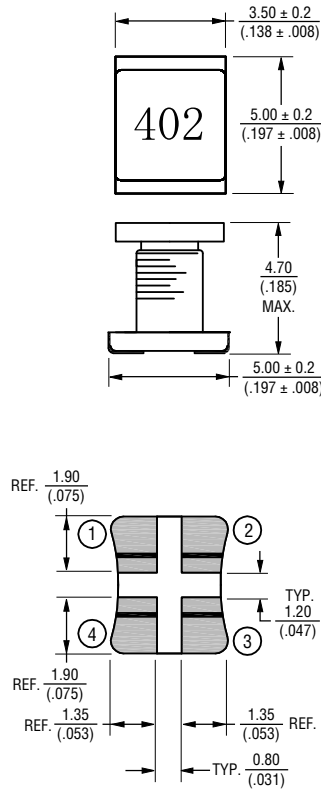
SRF0504-191Y~302Y



191Y & 351Y: $\frac{4.8}{(.189)}$ MAX.

102Y to 402Y: $\frac{4.7}{(.185)}$ MAX.

SRF0504-402Y



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

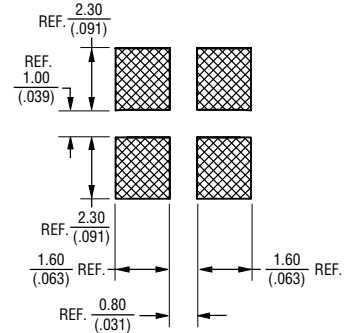
General Specifications

Rated Voltage 50 Vdc
 Dielectric Withstanding Voltage .. 125 Vdc
 Temperature Rise.. 20 °C at rated current
 Operating Temperature
 -40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature .. -40 °C to +125 °C
 Solderability 250 °C for 5 sec.
 (JEDEC J-STD-020D)

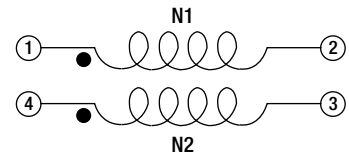
Materials

Core Material Ferrite
 Wire Enameled copper
 Terminal coating Sn
 Packaging 1000 pcs. per 13-inch reel

Recommended Layout

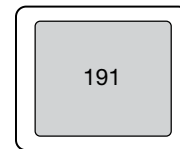


Schematic

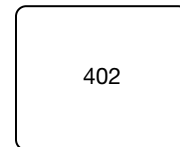


Typical Part Marking

SRF0504-191Y ~ SRF0504-302Y



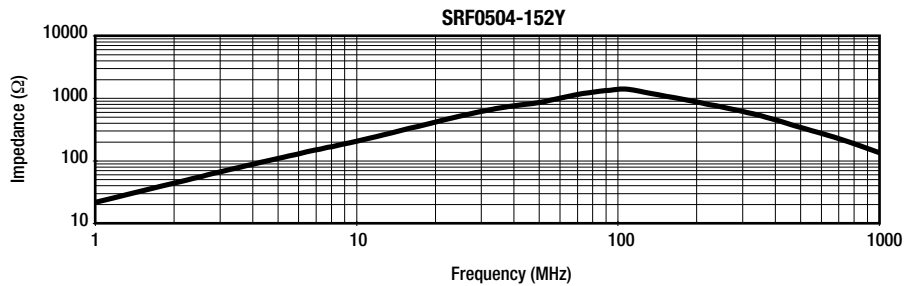
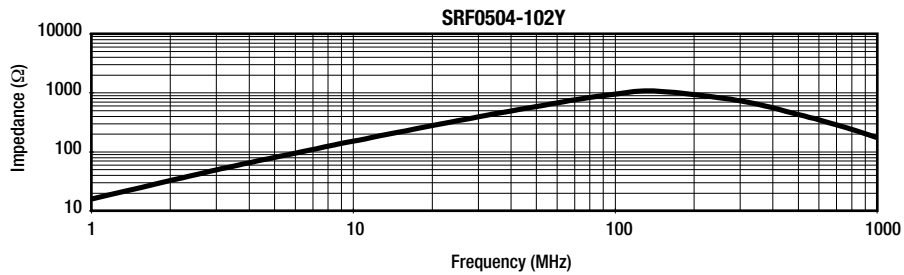
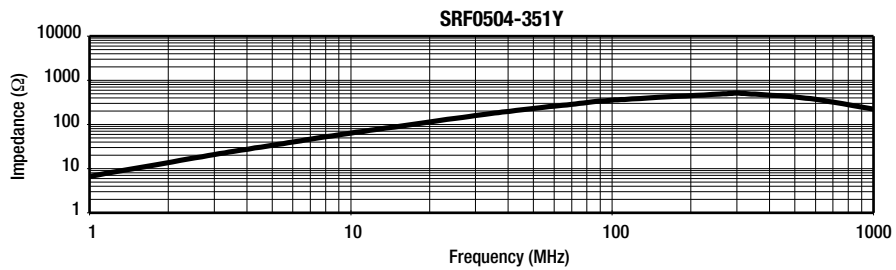
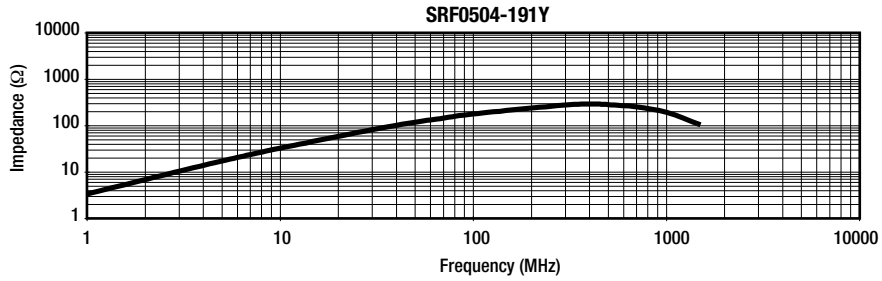
SRF0504-402Y



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 Graphs



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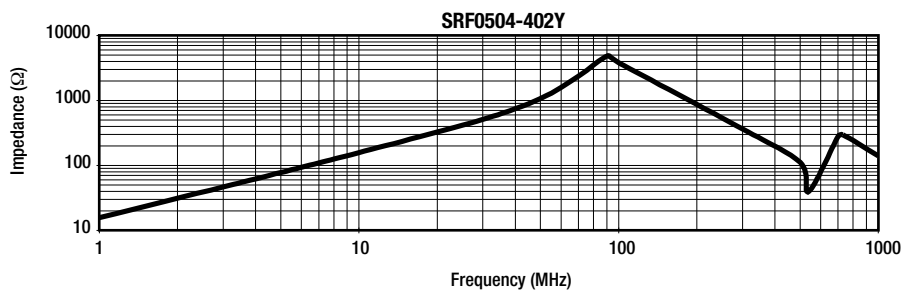
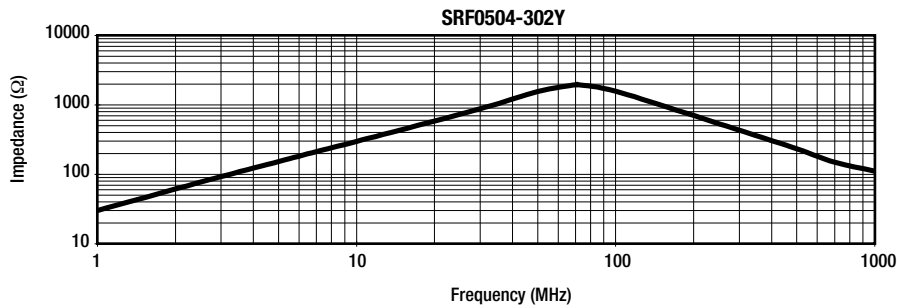
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SRF0504 Series - Line Filter

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Impedance Graphs (Continued)

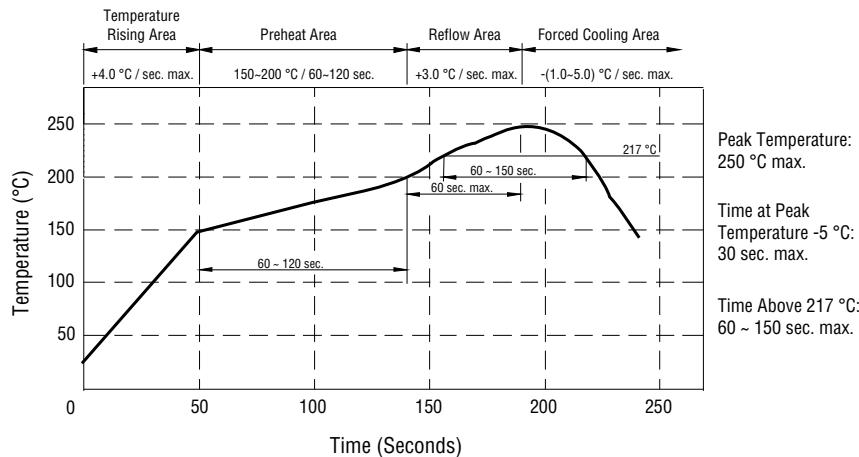


How to Order

SRF0504 - 102 Y

Model _____
 Value Code (see table) _____
 Tolerance Code _____

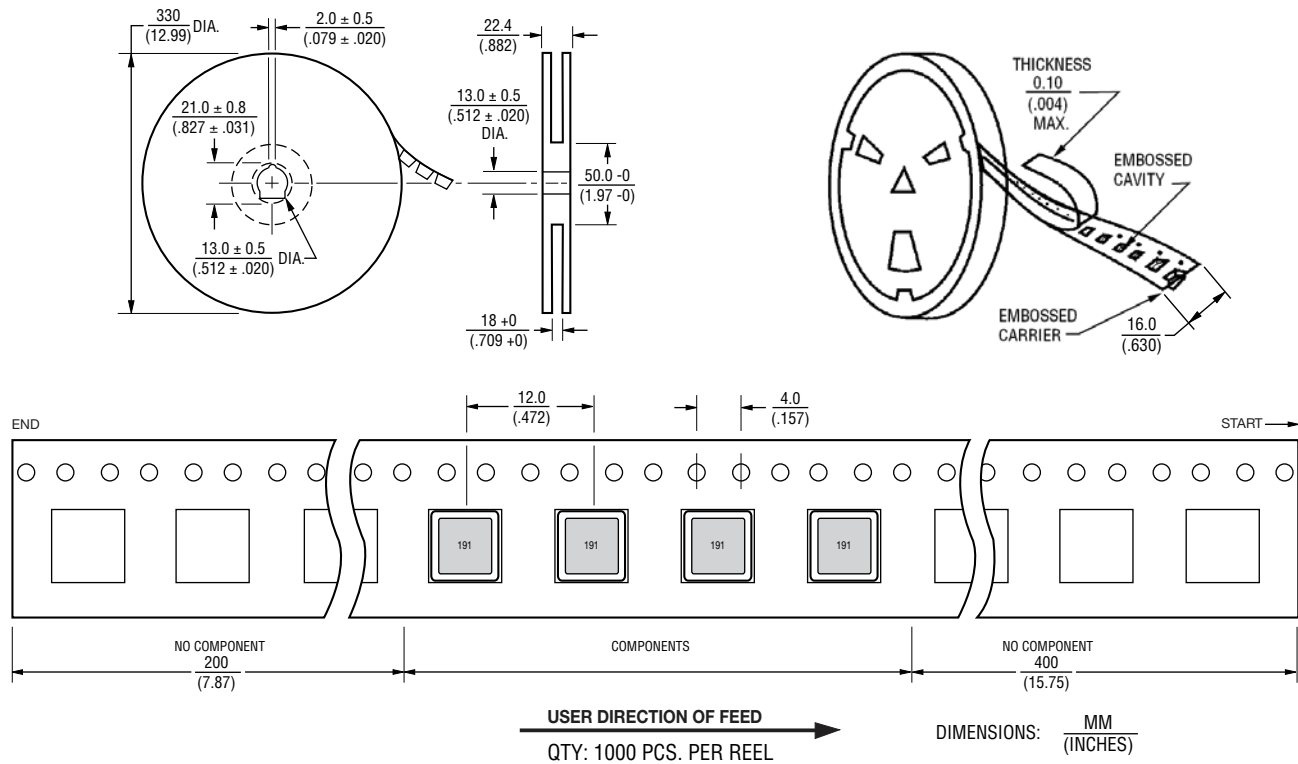
Soldering Profile



SRF0504 Series - Line Filter

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Packaging Specifications



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REV. 01/17

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