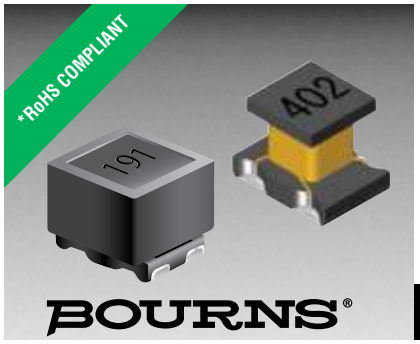


Features

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

Applications

- EMI suppression

SRF0504 Series - Line Filter

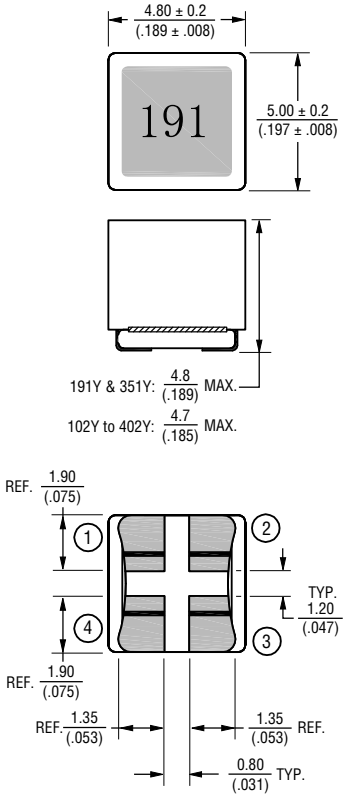
Electrical Specifications @ 25 °C

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

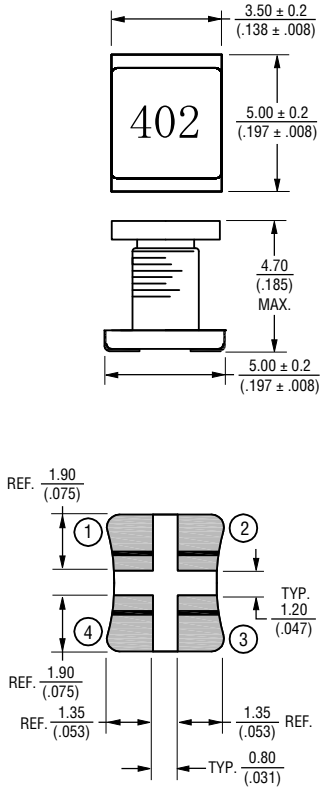
** Test condition: 100 KHz, 0.1 V
*** At 20 °C.

Product Dimensions

SRF0504-191Y~302Y



SRF0504-402Y



DIMENSIONS: MM / (INCHES)

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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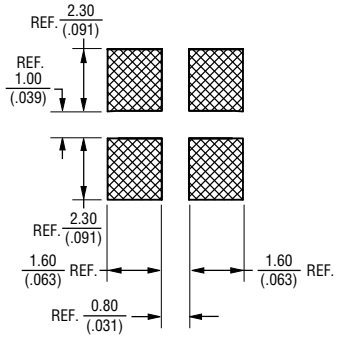
General Specifications

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)

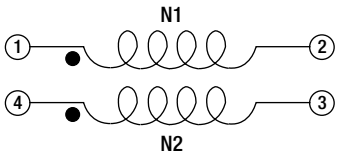
Materials

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

Recommended Layout

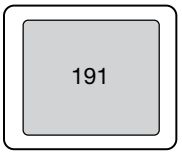


Schematic

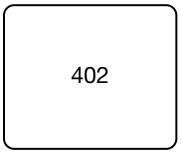


Typical Part Marking

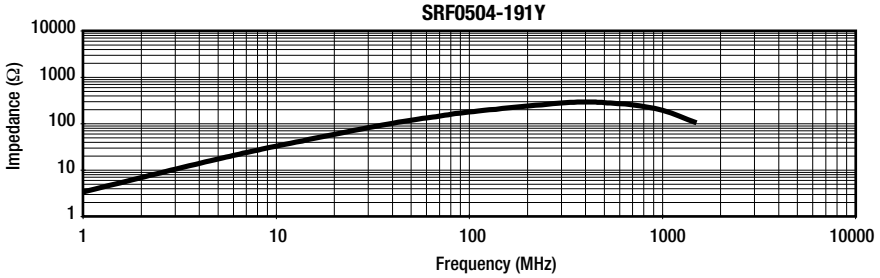
SRF0504-191Y ~ SRF0504-302Y

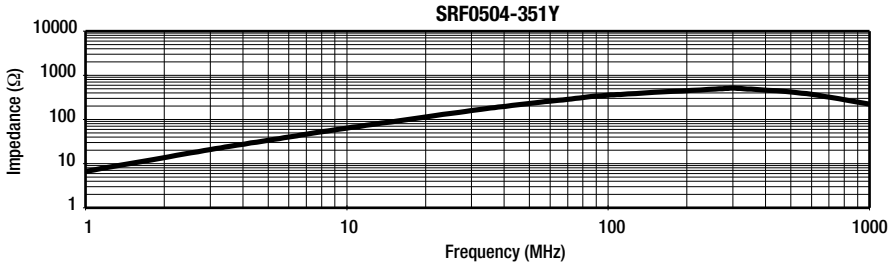


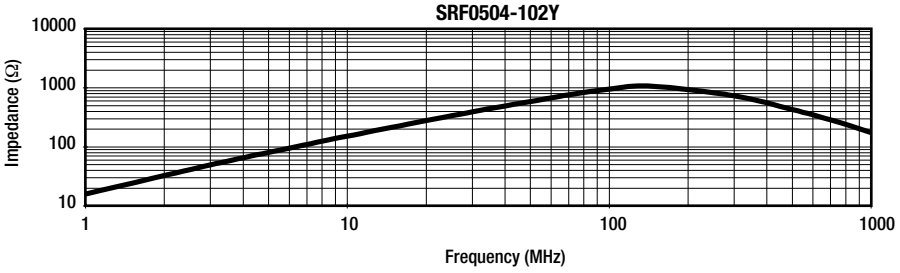
SRF0504-402Y

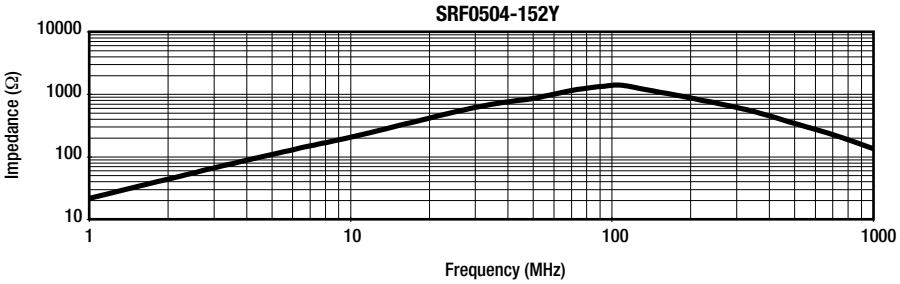


Impedance Graphs



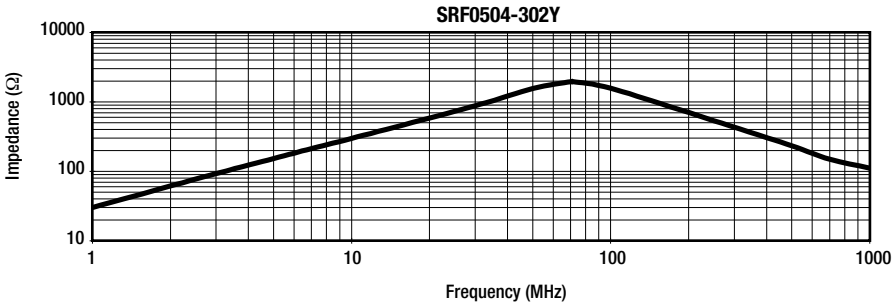


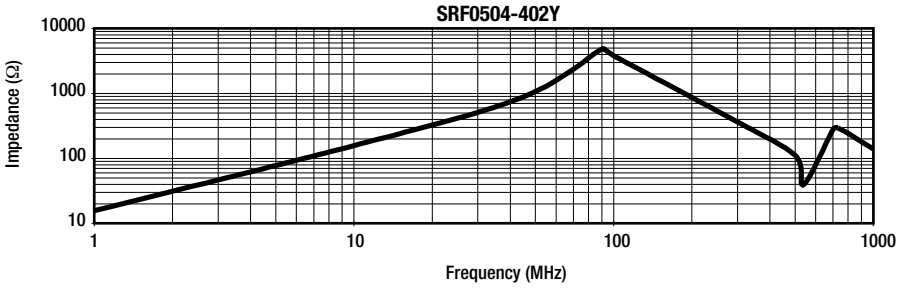




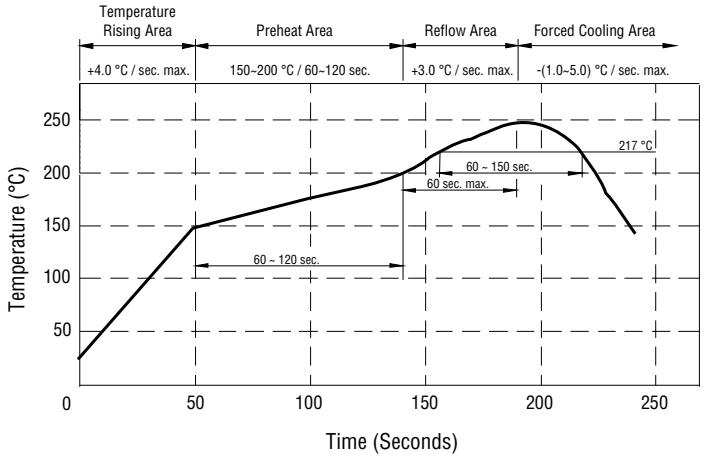
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Impedance Graphs (Continued)





Soldering Profile



Peak Temperature: 250 °C max.

Time at Peak Temperature -5 °C: 30 sec. max.

Time Above 217 °C: 60 ~ 150 sec. max.

How to Order

SRF0504 - 102 Y

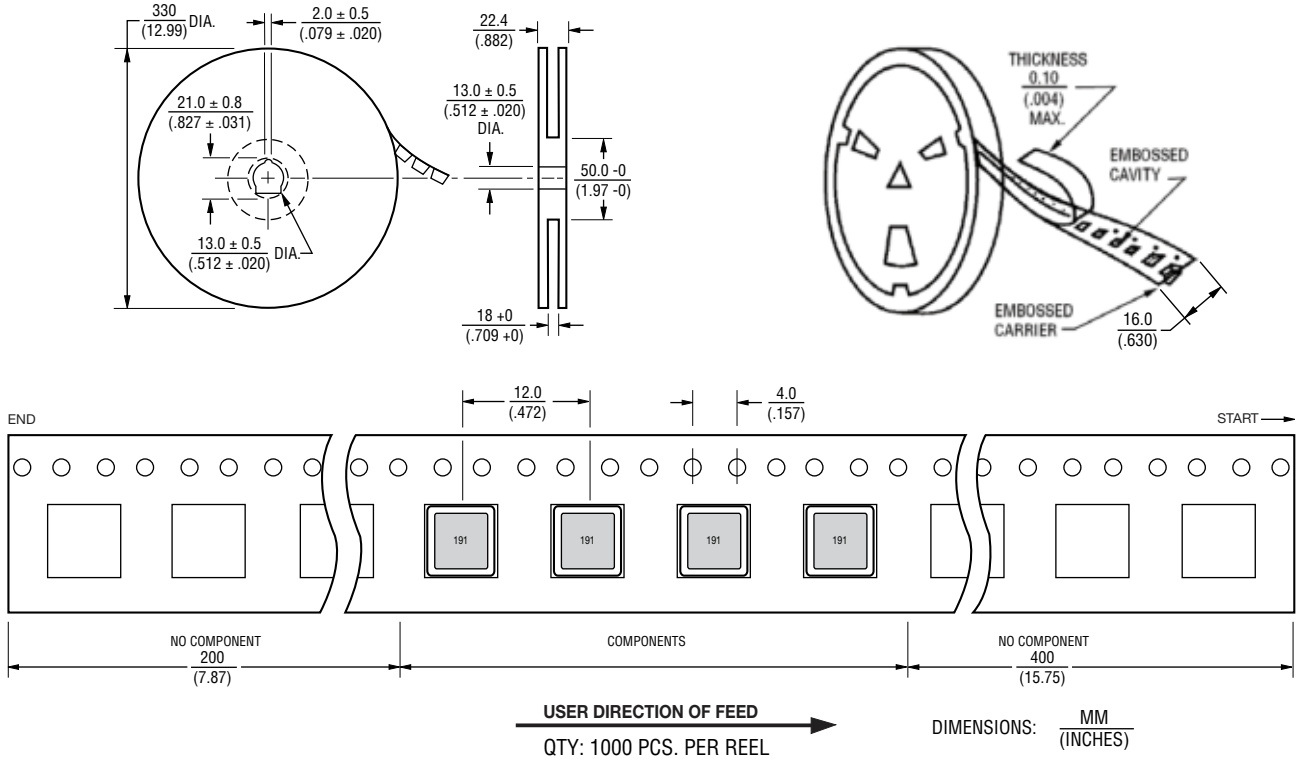
Model

Value Code (see table)

Tolerance Code

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Packaging Specifications



Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com
EMEA: Tel: +36 88 520 390 • Email: eurocus@bourns.com
The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com
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