

## **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 (μΗ) ** (Ref.)	Impedance*** Ζ (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**

(4)

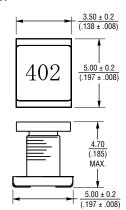
1.90

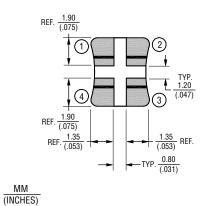
REF. 1.35 (.053)

REF. (.075)

# SRF0504-191Y~302Y $4.80 \pm 0.2$ (.189 ± .008) 5.00 ± 0.2 191 (.197 ± .008) 191Y & 351Y: 4.8 (.189) MAX. 102Y to 402Y: $\frac{4.7}{(.185)}$ MAX. REF. 1.90 (.075) (1)







### WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DIMENSIONS:

TYP 1.20

1.35 (.053) REF.

0.80 (.031) TYP.

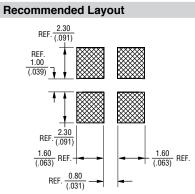
\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

#### **General Specifications**

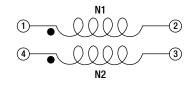
Rated Voltage ......50 Vdc Dielectric Withstanding Voltage .. 125 Vdc Temperature Rise.. 20 °C at rated current **Operating Temperature** (Temperature rise included) Storage Temperature .. -40 °C to +125 °C Solderability ...... 250 °C for 5 sec. (JEDEC J-STD-020D)

### Materials

Core Material	Ferrite
Wire	Enameled copper
Terminal coating	Sn
Packaging 1000 p	

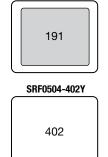


### Schematic



## **Typical Part Marking**

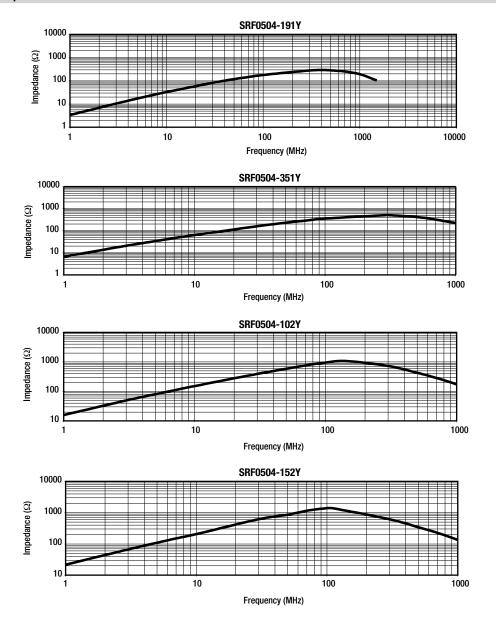




# SRF0504 Series - Line Filter

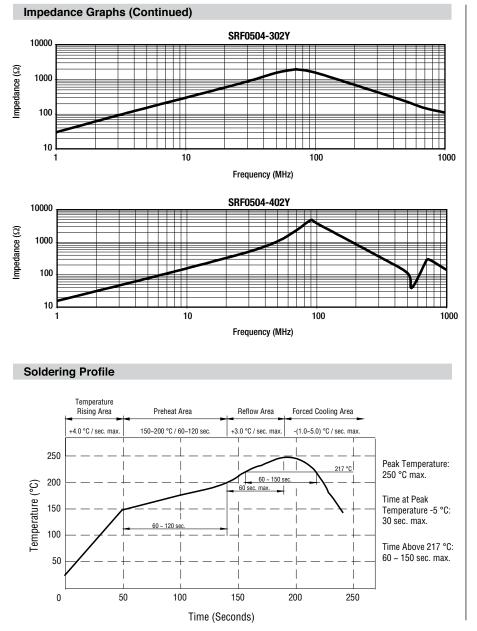
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#### **Impedance Graphs**

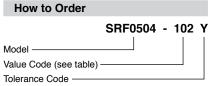


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# **SRF0504 Series - Line Filter**



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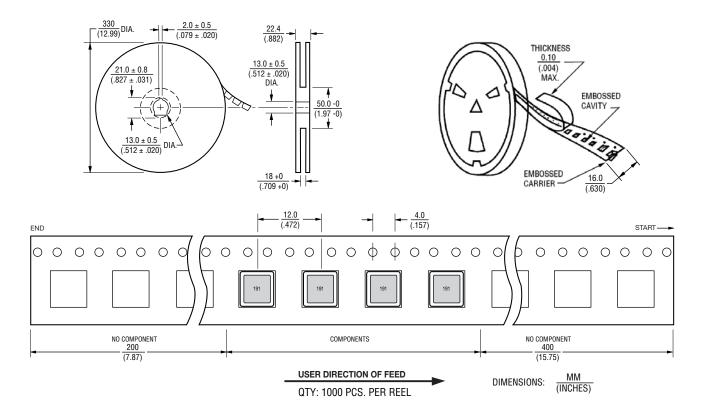


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# SRF0504 Series - Line Filter

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#### **Packaging Specifications**



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