

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.

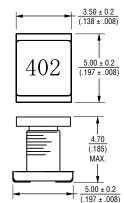
Product Dimensions

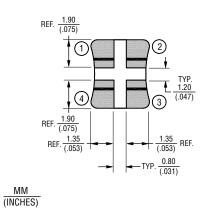
(4)

REF. <u>1.90</u> (.075)

> REF. 1.35 (.053)







WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

DIMENSIONS:

TYP. 1.20 (.047)

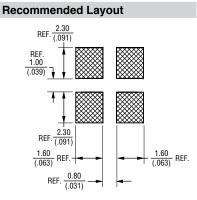
1.35 (.053) REF.

0.80 (.031) TYP.

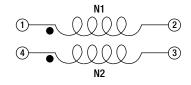
* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific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

General Specifications

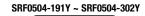
Core Material	Ferrite
Wire	Enameled copper
Terminal coating	Sn
Packaging 1000	

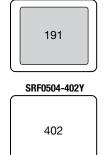


Schematic



Typical Part Marking

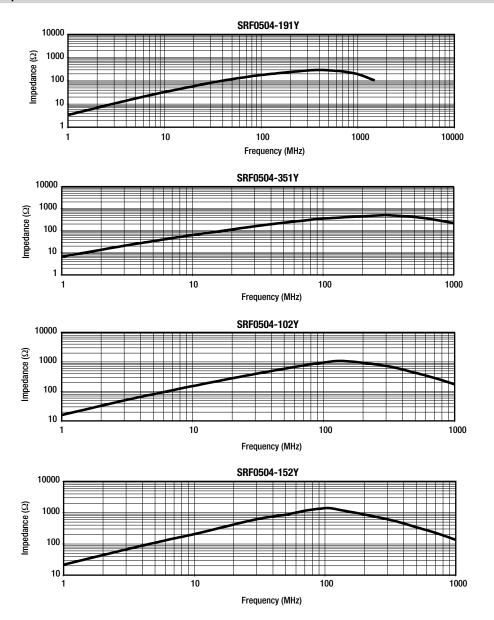




SRF0504 Series - Line Filter

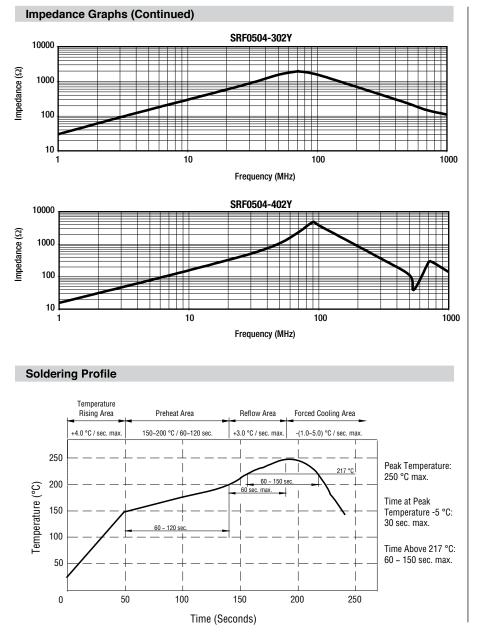
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Impedance Graphs



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SRF0504 Series - Line Filter



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How to Order SRF0504 - 102 Y Model Value Code (see table) **Tolerance Code**

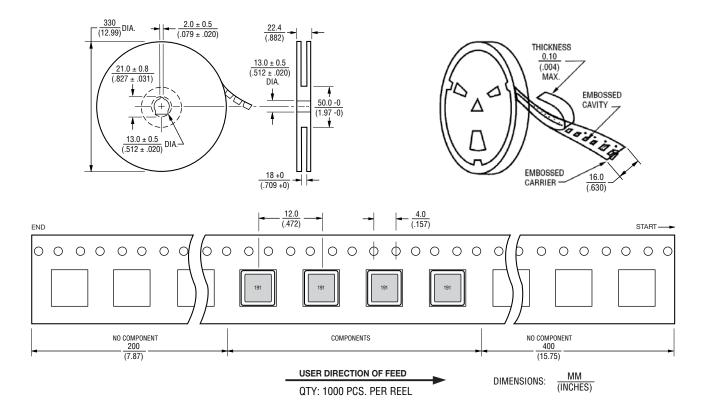
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SRF0504 Series - Line Filter

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Packaging Specifications



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REV. 01/17

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