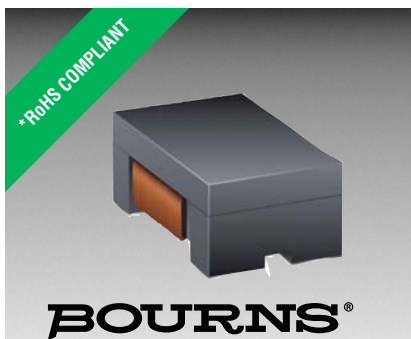




Features

- Bifilar wound
- High common mode impedance
- RoHS compliant* and halogen free**

Applications

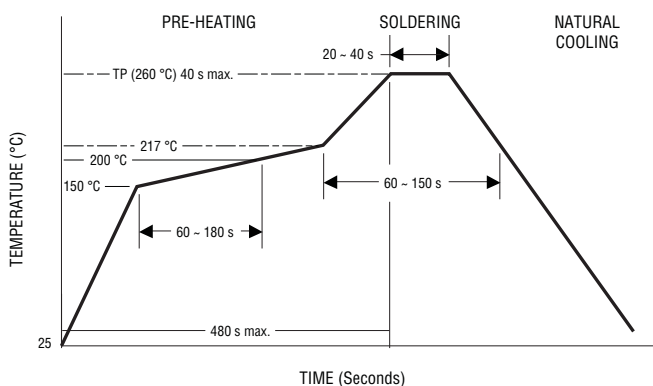
- EMI suppression for:
 - Data and signal lines
 - CANbus
 - Telecom devices
 - Consumer electronics

SRF4532 Series - Common Mode Chip Inductors

Electrical Specifications

Part Number	Inductance (μ H) @ 100 KHz Common Mode	Tolerance (%)	Impedance (Ω) @ 10 MHz Common Mode		DCR Max. (Ω)	IDC Max. (mA)
			Min.	Typ.		
SRF4532-1R0Y	1	+50 / -30	450	600	0.12	1200
SRF4532-110Y	11	+50 / -30	300	700	0.8	300
SRF4532-220Y	22	+50 / -30	500	1000	2.65	200
SRF4532-510Y	51	+50 / -30	1000	2000	3.5	200
SRF4532-101Y	100	+50 / -30	2000	5000	8.9	200

Soldering Profile



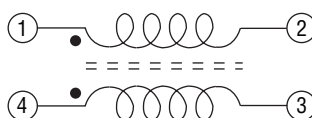
How to Order

Model _____ **SRF4532 - 220 Y**

Value Code (see table) _____

Tolerance Code _____

Schematic



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Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

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* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** Bourns follows the prevailing definition of "halogen free" in the industry. Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

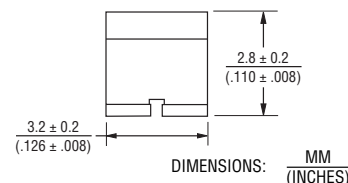
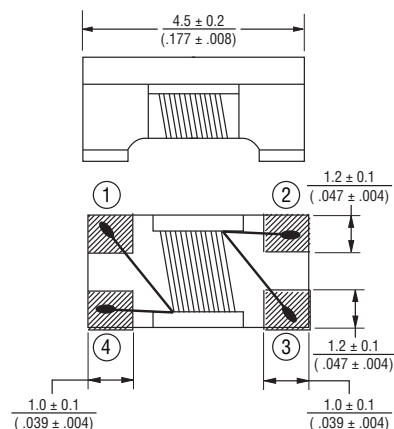
General Specifications

Rated Voltage 50 VDC
 Withstanding Voltage 125 VDC
 Insulation Resistance 10 megohms min. @ 100 VDC
 Operating Temperature... -40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature..... -40 °C to +125 °C
 Resistance to Soldering Heat +260 °C, 40 sec. max.
 Temperature Rise
 SRF4532-1R0Y 40 °C at rated IDC
 SRF4532-110Y
 to -101Y 30 °C at rated IDC

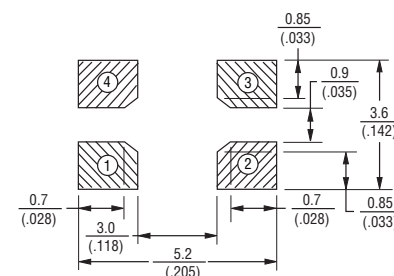
Materials

Core Ferrite
 Wire Enameled copper
 Terminal Sn
 Packaging 500 pcs. per 7-inch reel

Product Dimensions



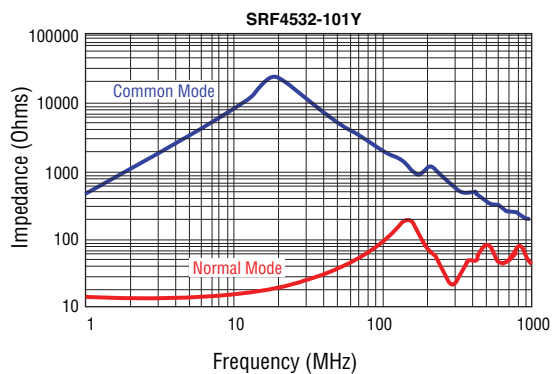
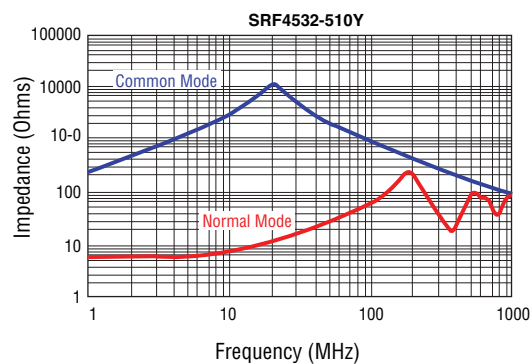
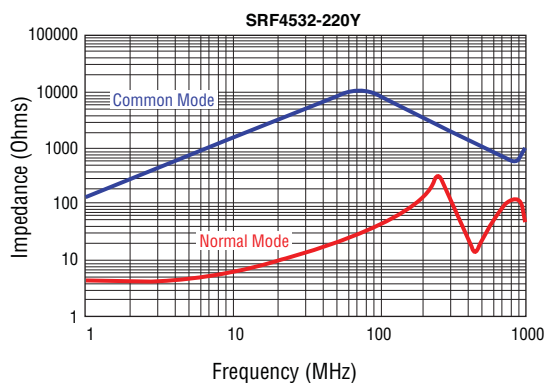
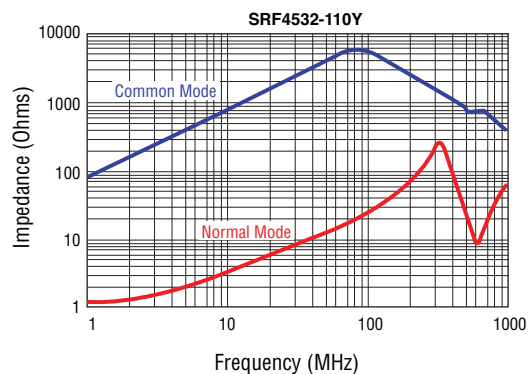
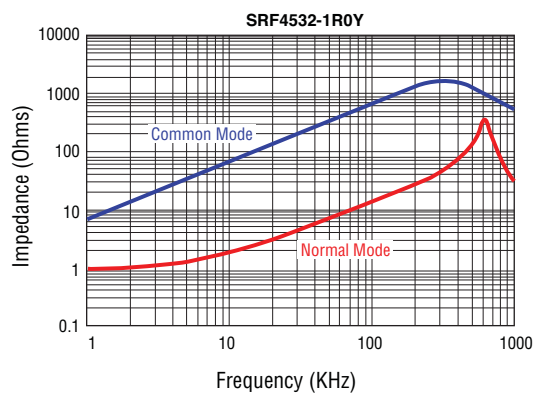
Recommended Layout



SRF4532 Series - Common Mode Chip Inductors

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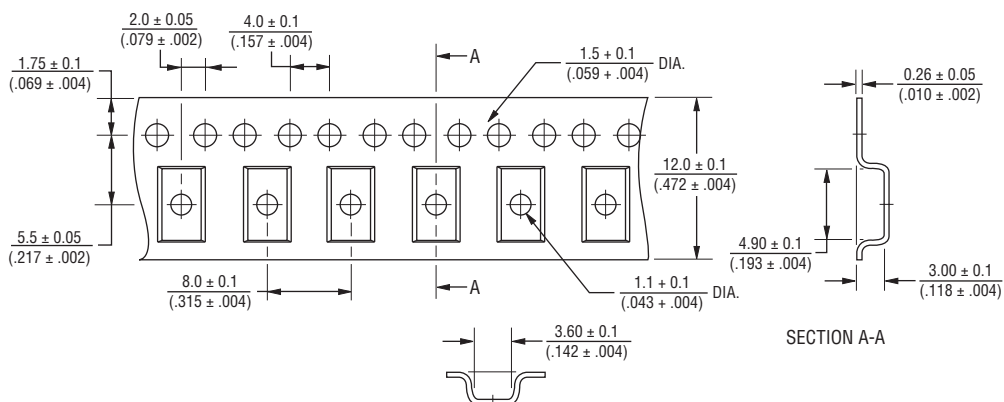
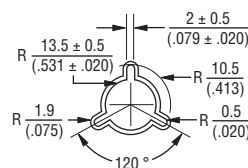
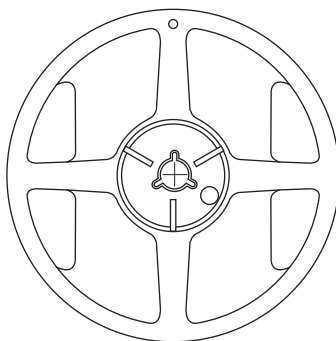
Typical Impedance vs. Frequency Curves



Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

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Figure 1: Schematic diagram of the test specimen. The diagram shows a vertical cylindrical specimen with various dimensions and tolerances. The top diameter is 13.5 ± 0.5 ($531 \pm .020$). The middle section has a diameter of 13.5 ± 0.5 ($531 \pm .020$) DIA. The bottom section has a diameter of 178 ± 2 ($7.008 \pm .079$). The length of the middle section is 60 ± 2 ($2.362 \pm .079$).



QTY: 500 PCS. PER REEL

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

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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