

## Features

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

## Applications

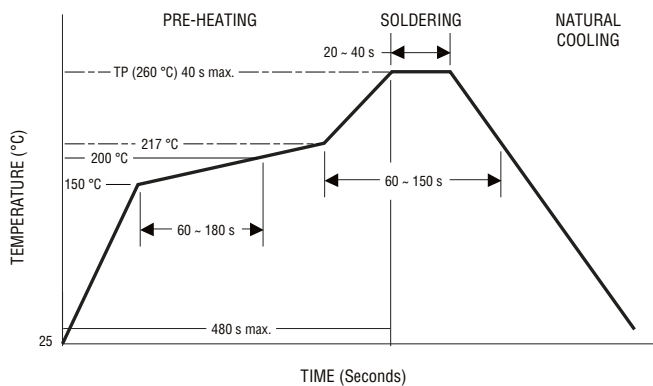
- EMI suppression for:
  - Data and signal lines
  - Telecom devices
  - Consumer electronics

# SRF4532 Series - Common Mode Chip Inductors

### Electrical Specifications

Part Number	Inductance ( $\mu\text{H}$ ) @ 100 KHz Common Mode	Tolerance (%)	Impedance ( $\Omega$ ) @ 10 MHz Common Mode		DCR Max. ( $\Omega$ )	IDC Max. (mA)
			Min.	Typ.		
SRF4532-1R0Y	1	+50 / -30	60	68	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



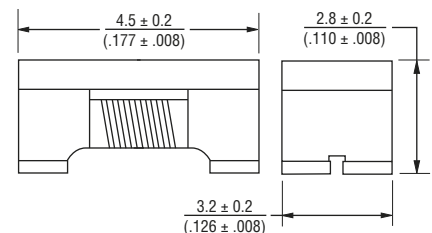
### General Specifications

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  
 Moisture Sensitivity Level ..... 1  
 ESD Classification (HBM) ..... N/A

### Materials

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

### Product Dimensions

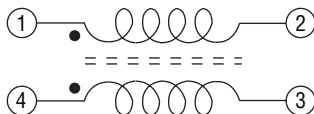


### How to Order

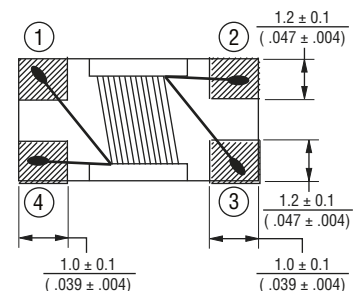
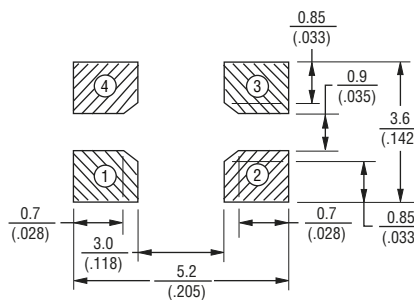
**SRF4532 - 220 Y**

Model \_\_\_\_\_  
 Value Code (see table) \_\_\_\_\_  
 Tolerance Code \_\_\_\_\_

### Schematic



### Recommended Layout



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



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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

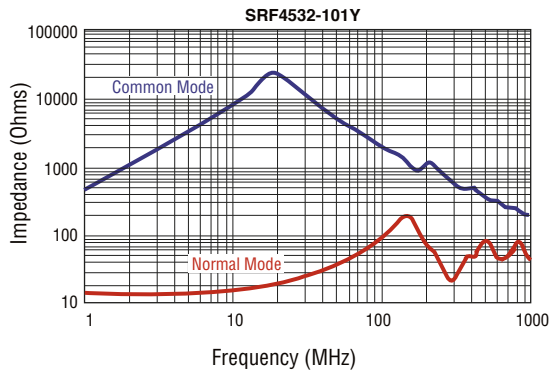
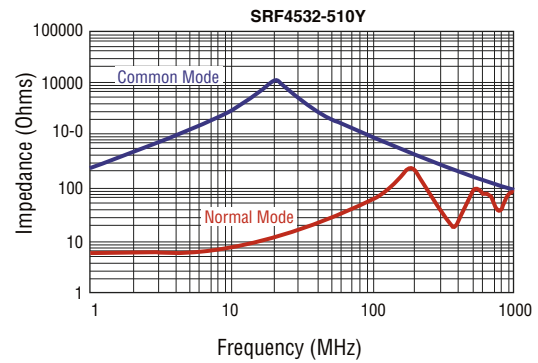
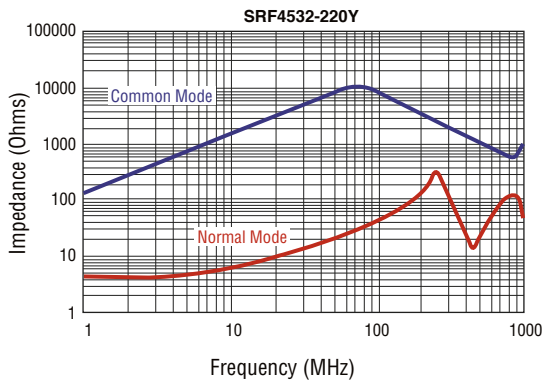
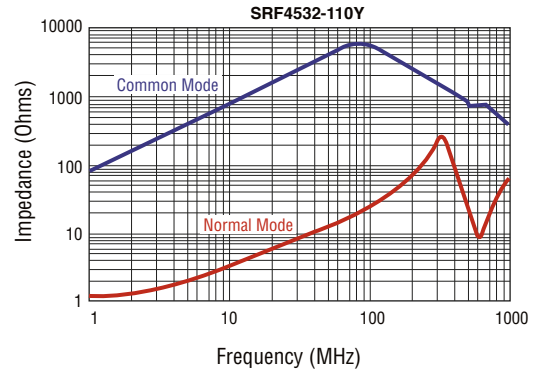
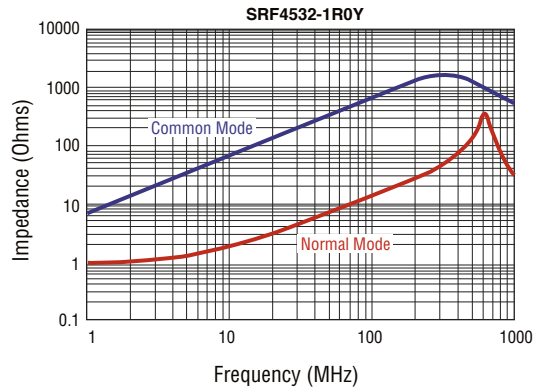
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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# SRF4532 Series - Common Mode Chip Inductors

**BOURNS®**

## Typical Impedance vs. Frequency Curves



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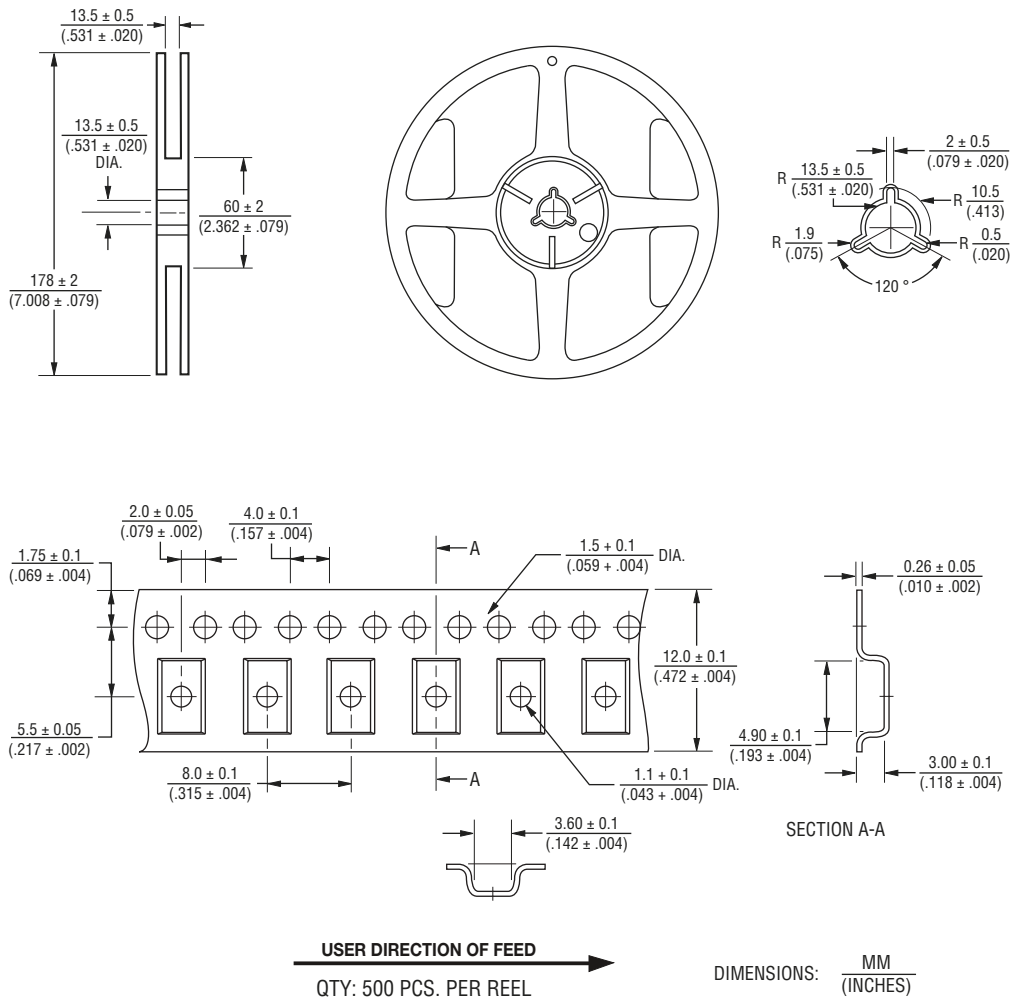
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# SRF4532 Series - Common Mode Chip Inductors

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## Packaging Specifications



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REV. 03/18

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