

## Features

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

## Applications

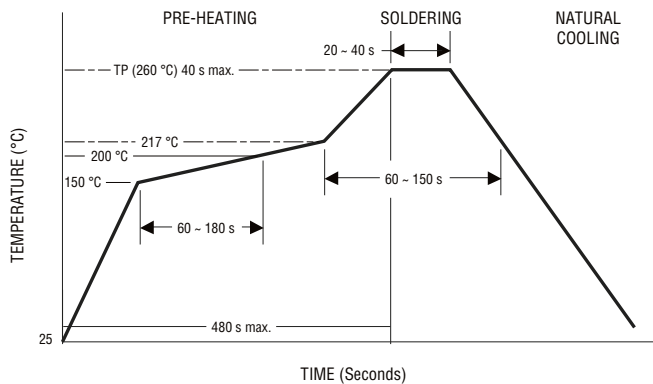
- EMI suppression for:
  - Data and signal lines
  - Telecom devices
  - Consumer electronics

# SRF4532 Series - Common Mode Chip Inductors

### Electrical Specifications

| Part Number  | Inductance ( $\mu\text{H}$ )<br>@ 100 KHz<br>Common Mode | Tolerance (%) | Impedance ( $\Omega$ )<br>@ 10 MHz<br>Common Mode |      | DCR<br>Max.<br>( $\Omega$ ) | IDC<br>Max.<br>(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



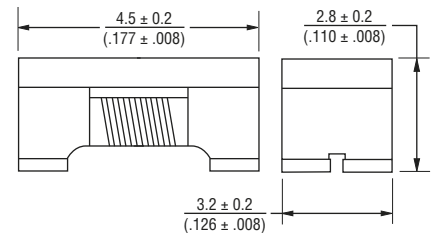
### General Specifications

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

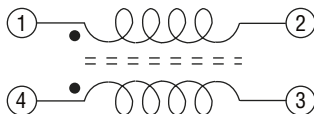


### How to Order

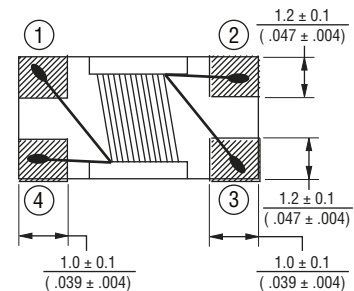
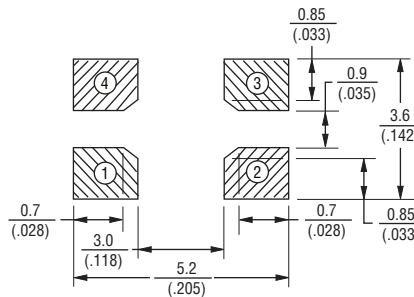
**SRF4532 - 220 Y**

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.

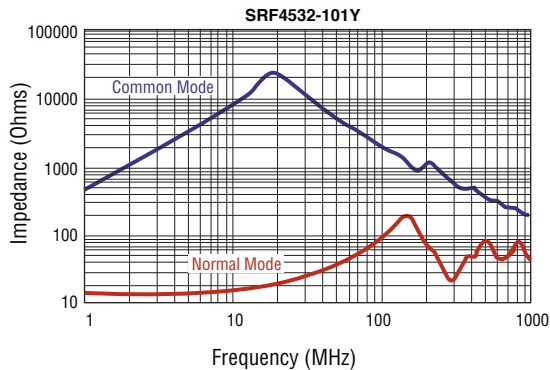
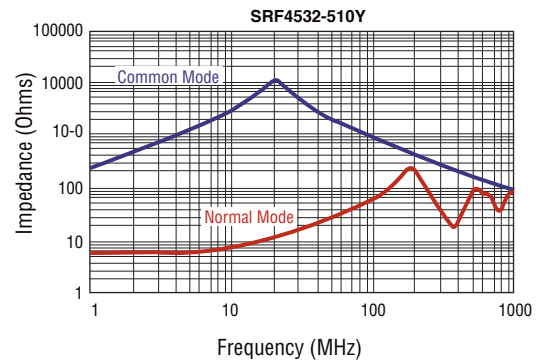
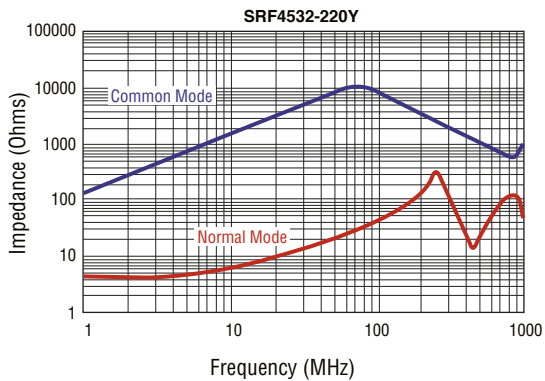
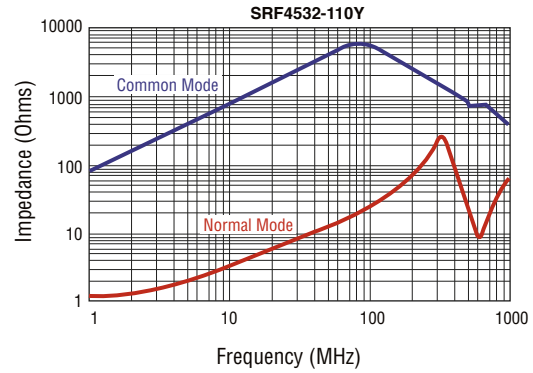
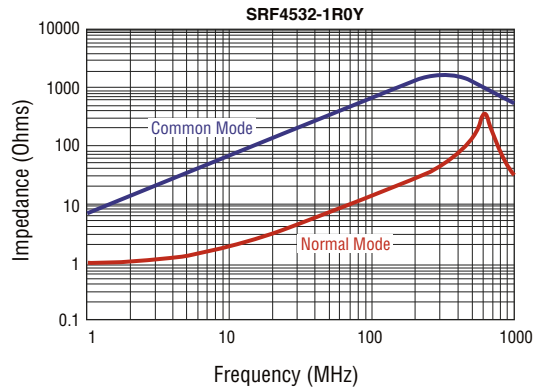
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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# SRF4532 Series - Common Mode Chip Inductors

**BOURNS®**

## Typical Impedance vs. Frequency Curves



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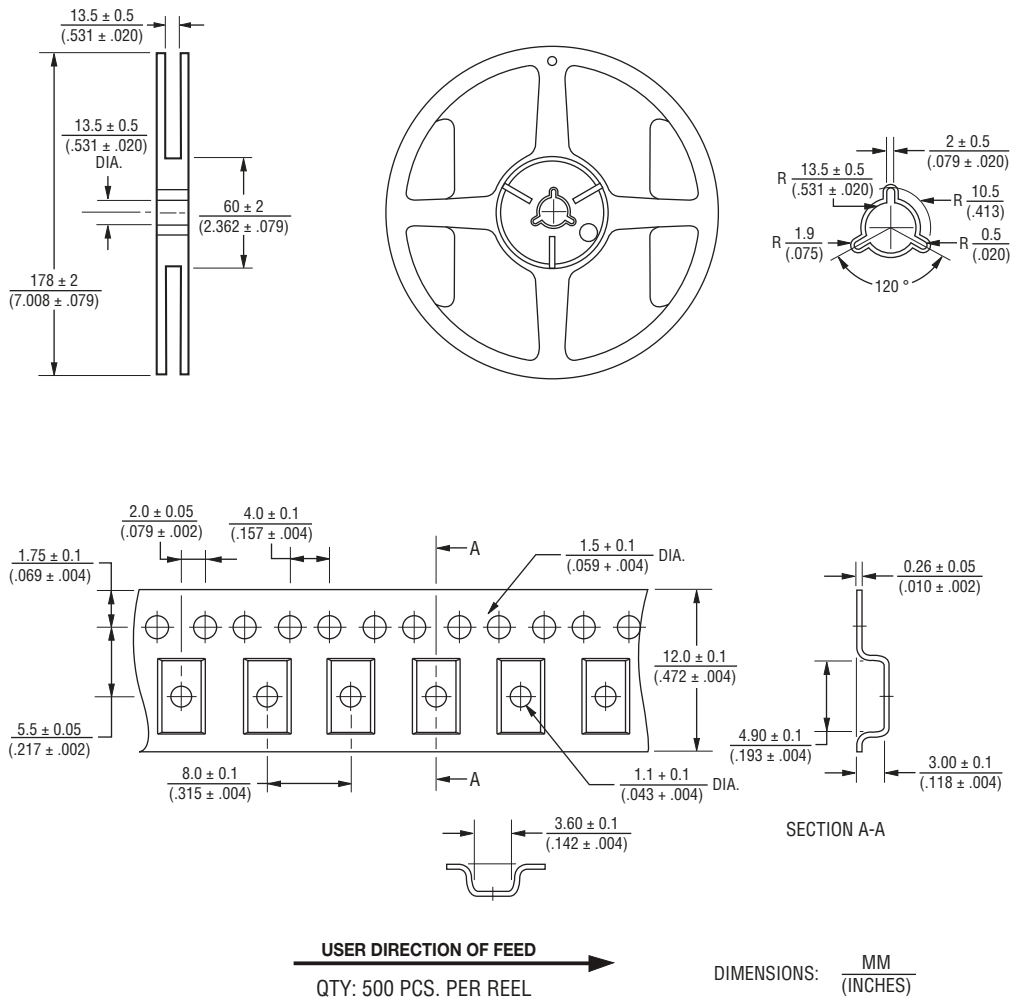
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# SRF4532 Series - Common Mode Chip Inductors

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## Packaging Specifications



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REV. 03/18

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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