

Features

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

Applications

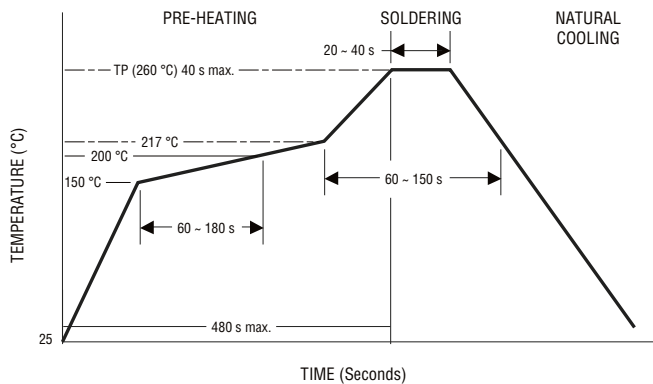
- EMI suppression for:
 - Data and signal lines
 - Telecom devices
 - Consumer electronics

SRF4532 Series - Common Mode Chip Inductors

Electrical Specifications

Part Number	Inductance (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	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



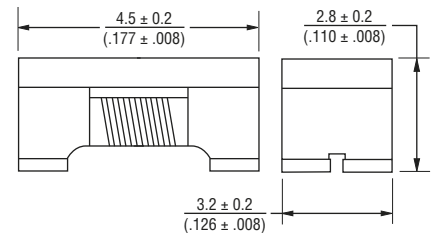
General Specifications

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

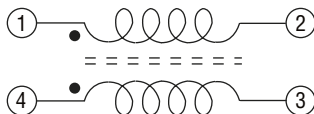


How to Order

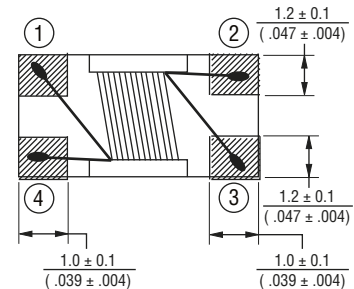
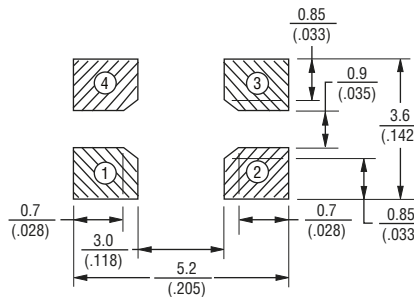
SRF4532 - 220 Y

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

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

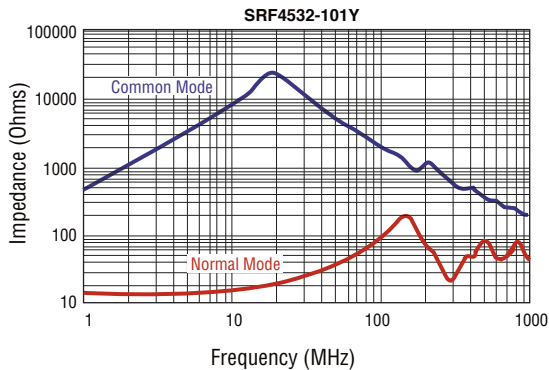
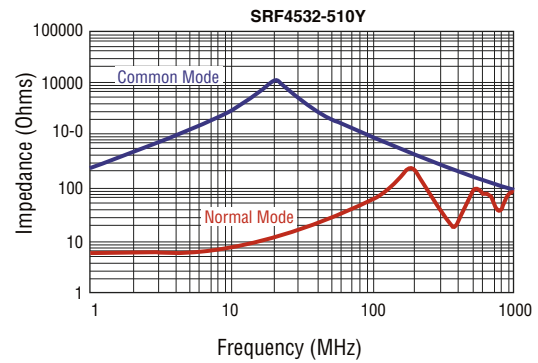
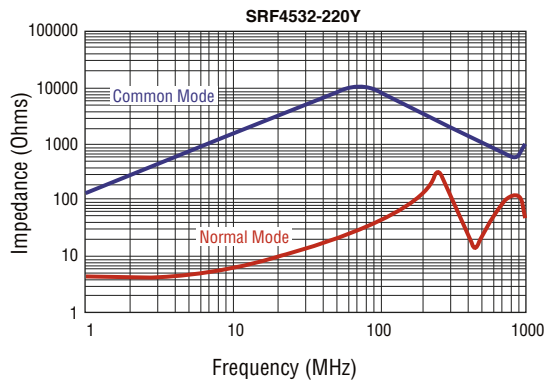
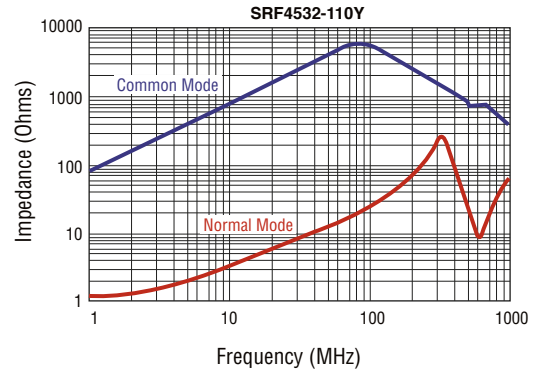
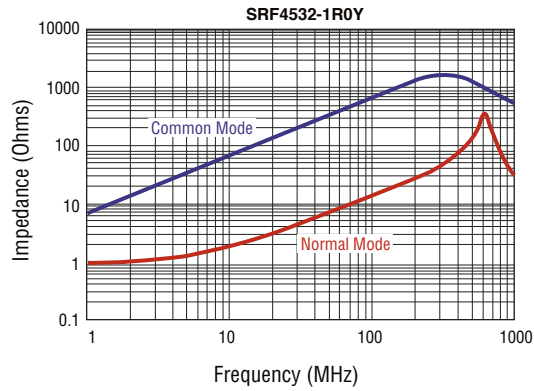
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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SRF4532 Series - Common Mode Chip Inductors

BOURNS®

Typical Impedance vs. Frequency Curves



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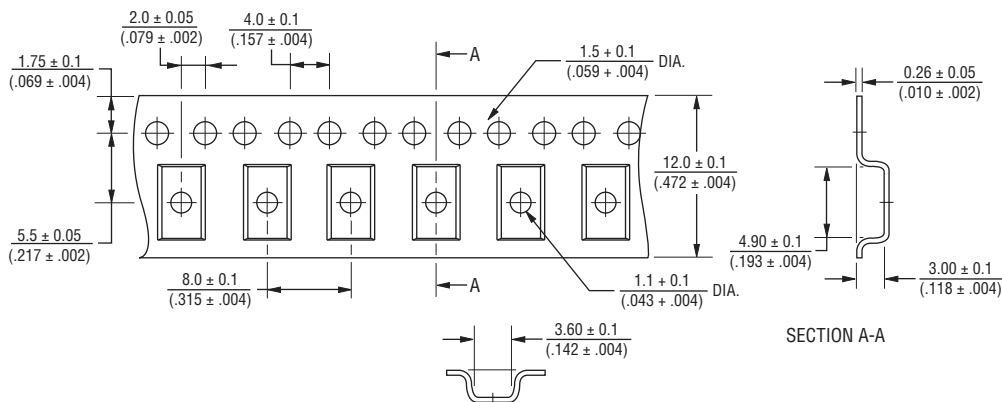
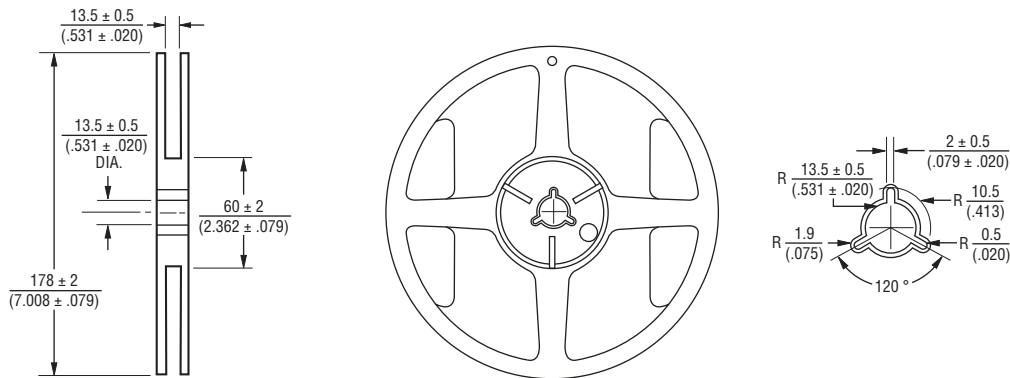
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SRF4532 Series - Common Mode Chip Inductors

BOURNS®

Packaging Specifications



USER DIRECTION OF FEED

QTY: 500 PCS. PER REEL

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

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REV. 03/18

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JONHON

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