

### 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**

	Inductance (µH)	Toloranco	Impeda @ 10 Commo	ince (Ω) MHz on Mode	DCR	IDC Max
Part Number	Common Mode	(%)	Min.	Тур.	(Ω)	(mA)
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**



TIME (Seconds)

### How to Order



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

#### Schematic





#### **General Specifications**

Rated Voltage 50 VDC
Withstanding Voltage 125 VDC
Insulation Resistance
10 megohms min. @ 100 VDC
Operating Temperature40 °C to +125 °C
(Temperature rise included)
Storage Temperature40 °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 Level1
ESD Classification (HBM)N/A

#### Materials

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

#### **Product Dimensions**





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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