

Features

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

Applications

SRF4532 Series - Common Mode Chip Inductors

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

Electrical Specifications

	Inductance (µH)	Tolerance	Impeda @ 10 Commo	nce (Ω) MHz n 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 SRF4532 - 220 Y

Tolerance Code



Recommended Layout $\begin{array}{c} 0.85 \\ (.033) \\ \hline 0.9 \\ \hline (.035) \\ \hline (.142) \\ \hline 0.9 \\ \hline (.142) \\ \hline 0.9 \\ \hline (.142) \\ \hline 0.9 \\ \hline 0.9 \\ \hline (.142) \\ \hline 0.9 \\ \hline 0.$



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



WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** 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.

Users should verify actual device performance in their specific applications.

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Packaging Specifications 13.5 ± 0.5 (.531 ± .020) 0 $\frac{13.5 \pm 0.5}{(.531 \pm .020)}$ DIA. 2 ± 0.5 (.079 ± .020) 13.5 ± 0.5 R ł $(.531 \pm .020)$ R <u>10.5</u> (.413) 60 ± 2 Æ (2.362 ± .079) ł 0.5 1.9 -R <u>0.5</u> (.020) $R \frac{1.9}{(.075)}$ 178 ± 2 (7.008 ± .079) 120 $\frac{2.0 \pm 0.05}{(.079 \pm .002)}$ $\frac{4.0 \pm 0.1}{(.157 \pm .004)}$ $\frac{1.5 + 0.1}{(.059 + .004)}$ DIA. A $\frac{1.75 \pm 0.1}{(.069 \pm .004)}$ 0.26 ± 0.05 (.010 ± .002) \oplus \oplus Œ \oplus \oplus \oplus \oplus \oplus Œ \oplus $\left(\right)$ 12.0 ± 0.1 (.472 ± .004) \oplus \oplus \oplus Q Đ \oplus <u>5.5 ± 0.05</u> (.217 ± .002) 4.90 ± 0.1 (.193 ± .004) 3.00 ± 0.1 $\frac{8.0 \pm 0.1}{(.315 \pm .004)}$ $\frac{1.00}{(.039)}$ DIA. ٠A (.118 ± .004) 3.60 ± 0.1 SECTION A-A (.142 ± .004) USER DIRECTION OF FEED

QTY: 500 PCS. PER REEL

MM DIMENSIONS: (INCHES)

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