

Features

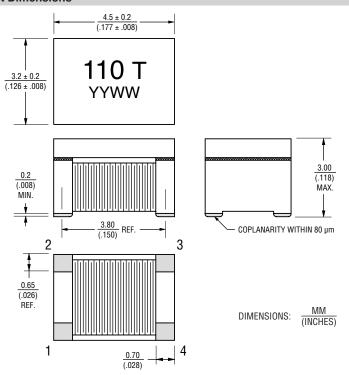
- Shielded construction low radiation
- Bifilar wound
- High temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRF4530A Series - Common Mode Chip Inductors, CANbus

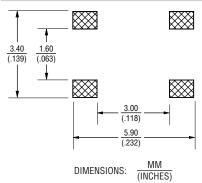
Electrical Specifications @ 25 °C

	Inductance @ 100 kHz / 0.1 V		Leakage L (µH) @ 100 kHz / 0.1 V	Impe	n Mode dance MHz	DCR	
Bourns Part Number	L (μH)	Tolerance (%)	Typ. (μΗ)	Min. (kΩ)	Typ. (kΩ)	Max. (Ω)	Irms (A)
SRF4530A-110Y	11.0	+50 / -30	0.10	0.30	0.60	0.50	0.36
SRF4530A-220Y	22.0	+50 / -30	0.15	0.60	1.20	0.60	0.31
SRF4530A-510Y	51.0	+50 / -30	0.25	1.50	3.50	1.00	0.23
SRF4530A-101Y	100.0	+50 / -30	0.30	3.00	7.50	1.50	0.20

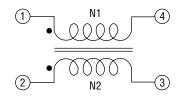
Product Dimensions



Recommended Layout



Schematic



Additional Information

Click these links for more information:











PRODUCT SELECTOR

TECHNICAL LIBRARY

INVENTORY S

MPLES CO

CONTAC

General Specifications

Rated Voltage50 VDC				
Insulation Resistance				
10 megohms min. @ 50 VD				
Operating Temperature				
55 °C to +150 °C				
(Temperature rise included)				
Storage Temperature				
55 °C to +150 °C				
Temperature Rise40 °C at rated Irms				
Moisture Sensitivity Level1				

Materials

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

How to Order





WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

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

** 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.

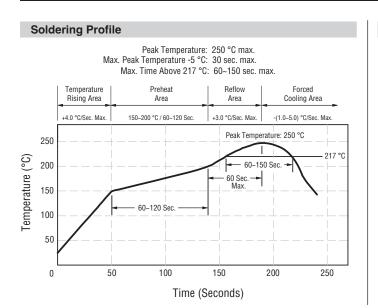
Specifications are subject to change without notice.

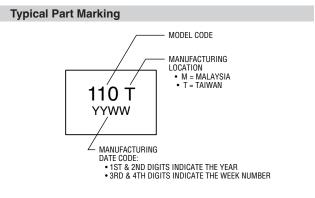
Users should verify actual device performance in their specific applications.

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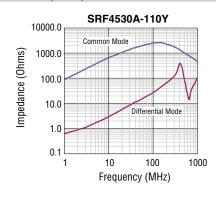
SRF4530A Series - Common Mode Chip Inductors, CANbus

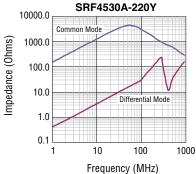
BOURNS

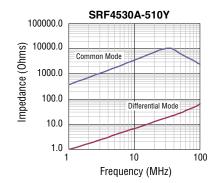


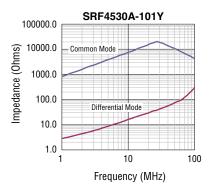


Typical Impedance vs. Frequency

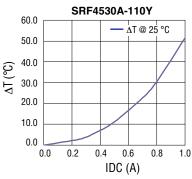


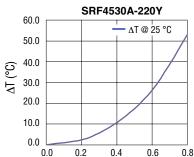


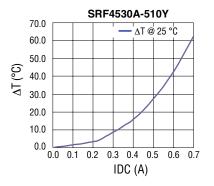


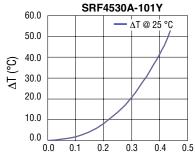


Temperature Rise vs. IDC

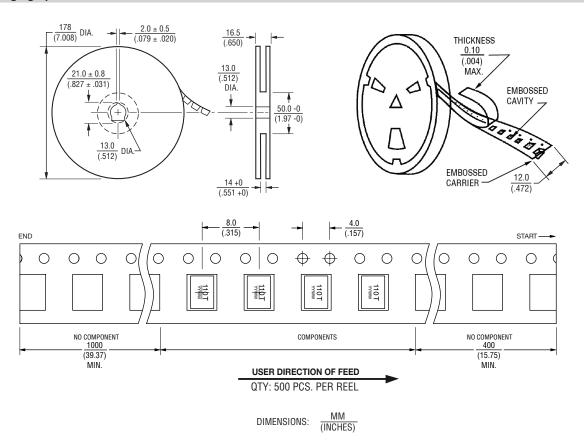








Packaging Specifications



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