



Features

- Shielded construction – low radiation
- Separated winding
- High current
- Compact size
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Applications

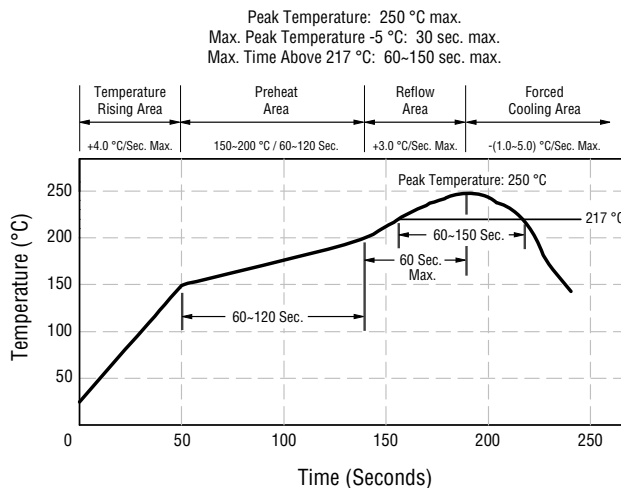
- EMI suppression – power line
- Noise filters – power line

SRF9045A Series - Common Mode Chokes

Electrical Specifications at 25 °C

Part Number	Z (Ω) @ 100 MHz		L (μH), N1/N2 Ref. @ 100 kHz / 0.1 V	DCR (mΩ), N1/N2, Max.	I _{rms} (A)
	Min.	Typ.			
SRF9045A-701Y	500	700	7.5	10	5

Soldering Profile



Additional Information

Click these links for more information:



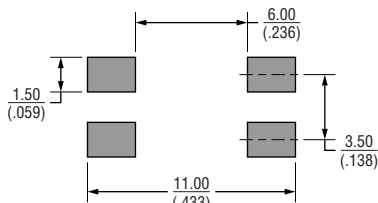
General Specifications

Rated Voltage 80 VDC
Hi-Pot 500 VAC, 3 mA, 1 Sec.
Insulation Resistance 10 MΩ (Min.) @ 100 VDC
Operating Temperature -40 °C to +125 °C
(Temperature rise included)
Storage Temperature -40 °C to +125 °C
Temperature Rise 40 °C at rated I_{rms}
MSL 1
ESD Classification (HBM) N/A

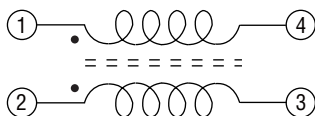
Materials

Core Ferrite
Wire Enameled copper
Terminal Finish Sn
Packaging 1000 pcs. per 13-inch reel

Recommended Layout



Electrical Schematic

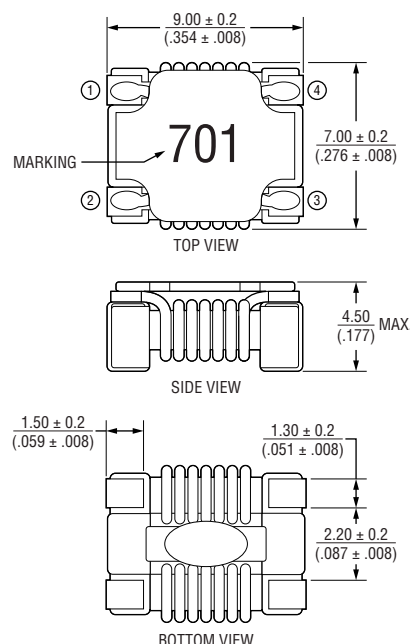


WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

Product Dimensions

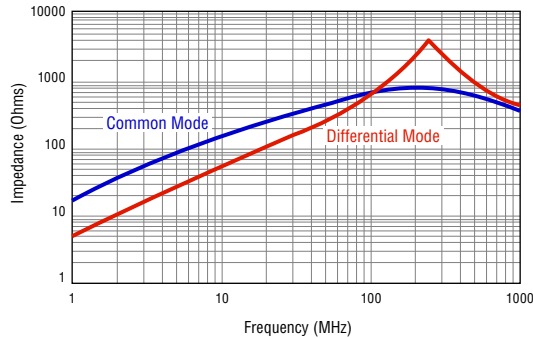


DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

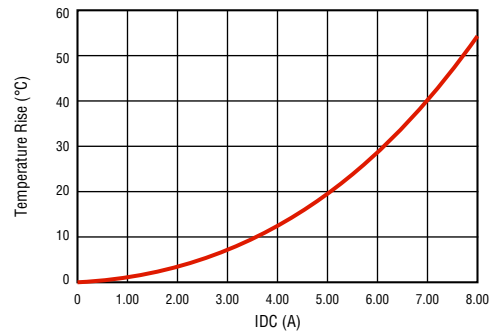
SRF9045A Series - Common Mode Chokes

BOURNS®

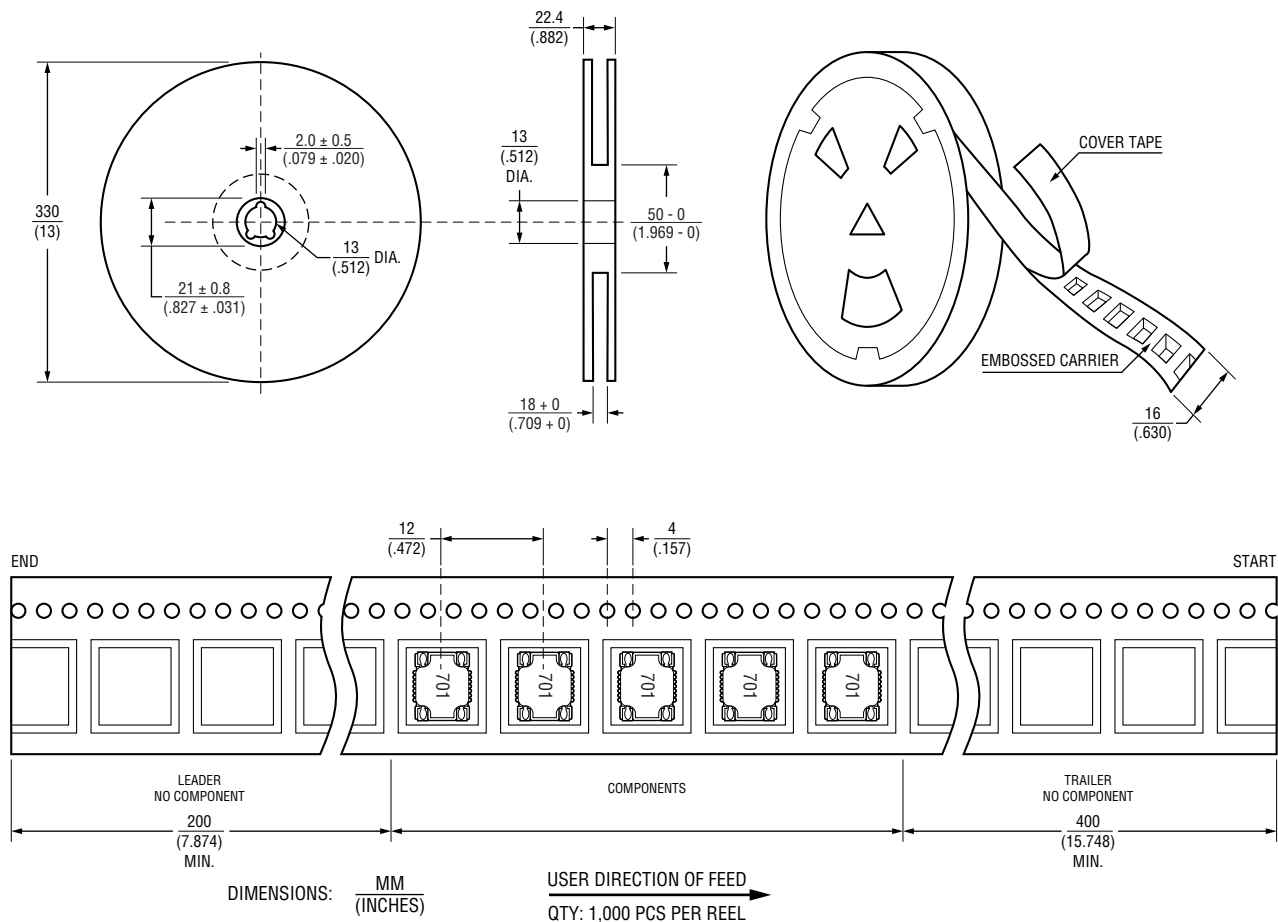
Typical Impedance vs. Frequency Curves



Temperature Rise Plots



Packaging Specifications



REV. 05/23

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