



### Features

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

### Applications

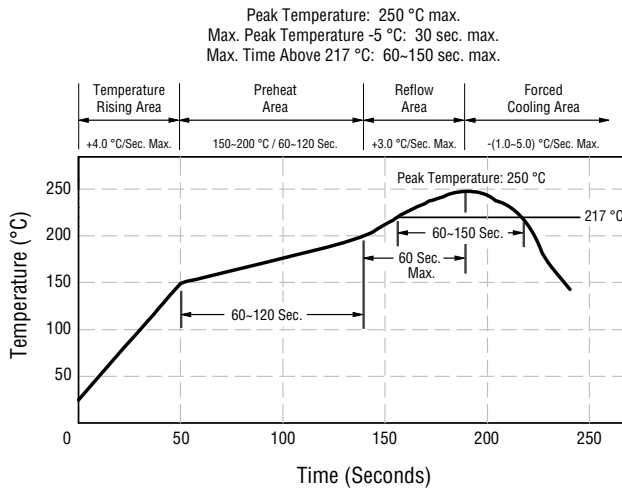
- EMI suppression – power line
- Noise filters – power line

## 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 <sub>rms</sub> (A)
	Min.	Typ.			
SRF9045A-701Y	500	700	7.5	10	5

### Soldering Profile



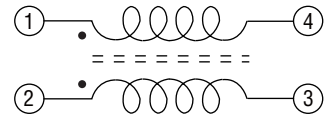
### General Specifications

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<sub>rms</sub>  
 MSL ..... 1  
 ESD Classification (HBM)..... N/A

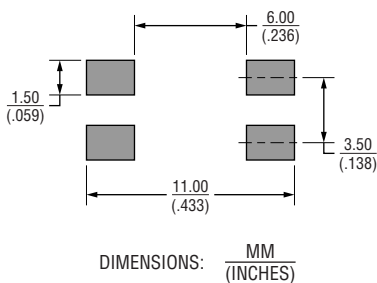
### Materials

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

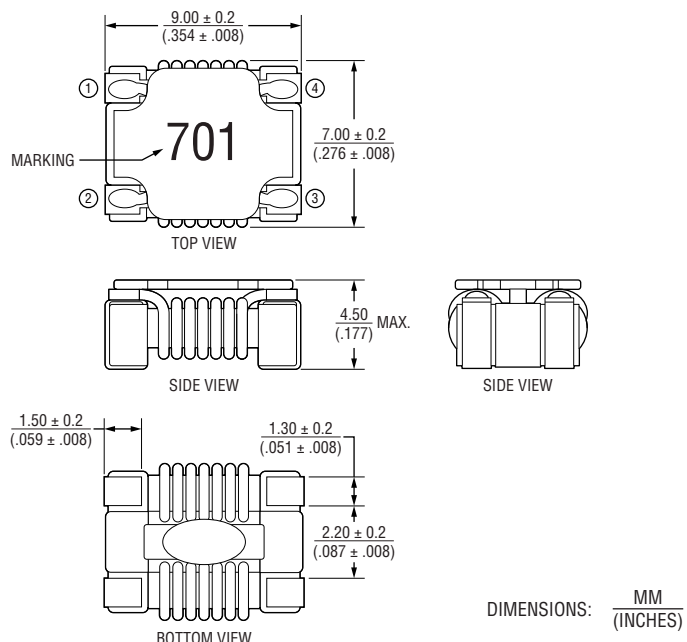
### Electrical Schematic



### Recommended Layout



### Product Dimensions



**WARNING**  
**Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

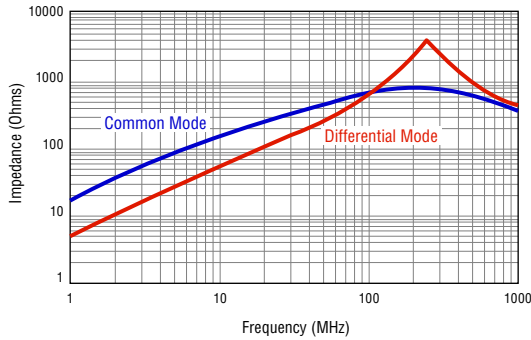
\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 \*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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](http://www.bourns.com/docs/legal/disclaimer.pdf).

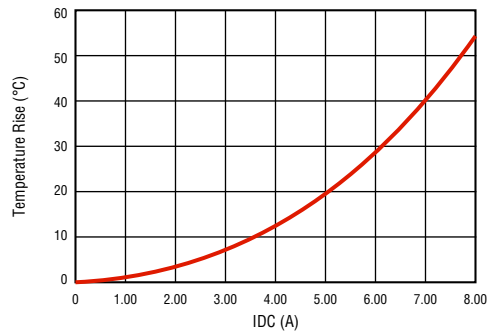
# SRF9045A Series - Common Mode Chokes



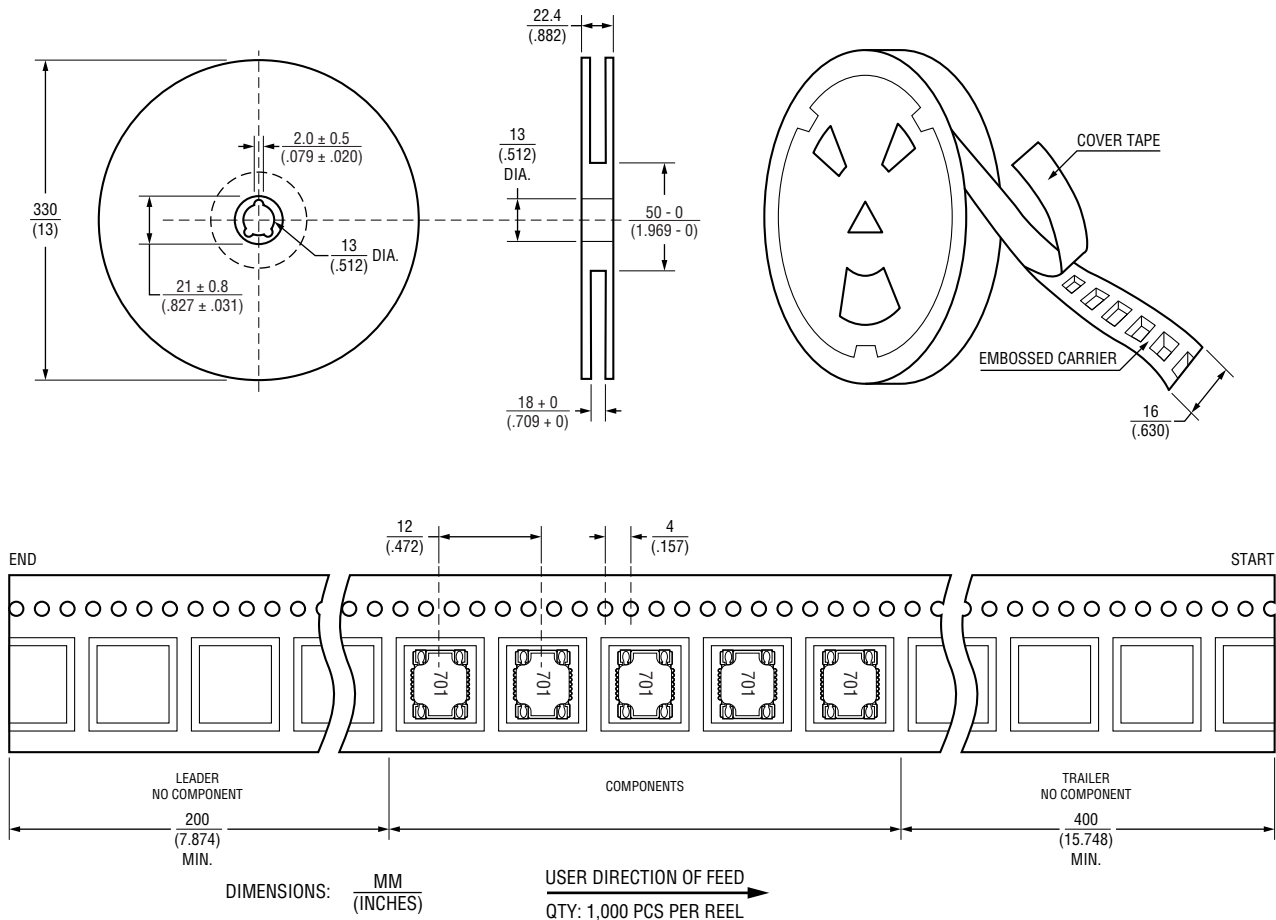
## Typical Impedance vs. Frequency Curves



## Temperature Rise Plots



## Packaging Specifications



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