



### Features

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

### Applications

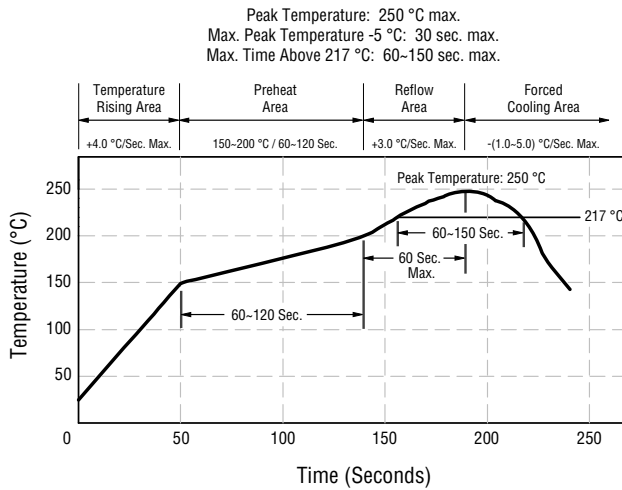
- EMI suppression – power line
- Noise filters – power line

## 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



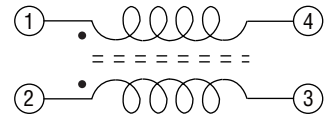
### General Specifications

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

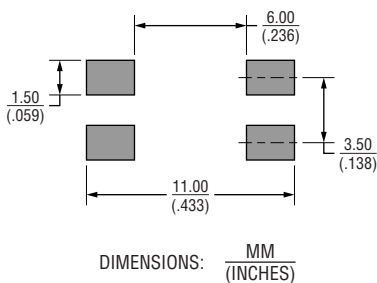
### Materials

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

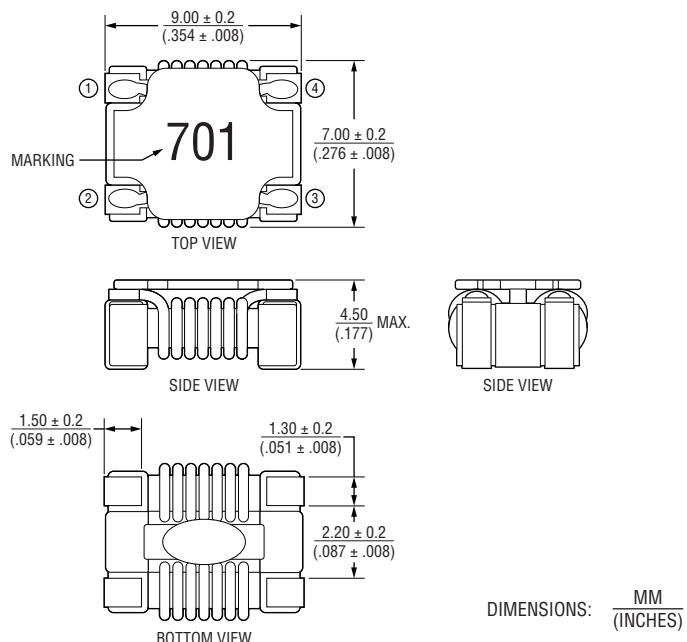
### Electrical Schematic



### Recommended Layout



### Product Dimensions



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

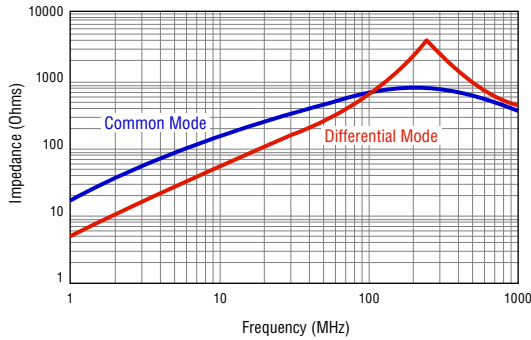
\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 \*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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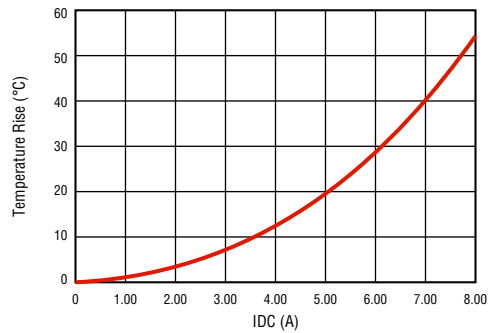
# SRF9045A Series - Common Mode Chokes



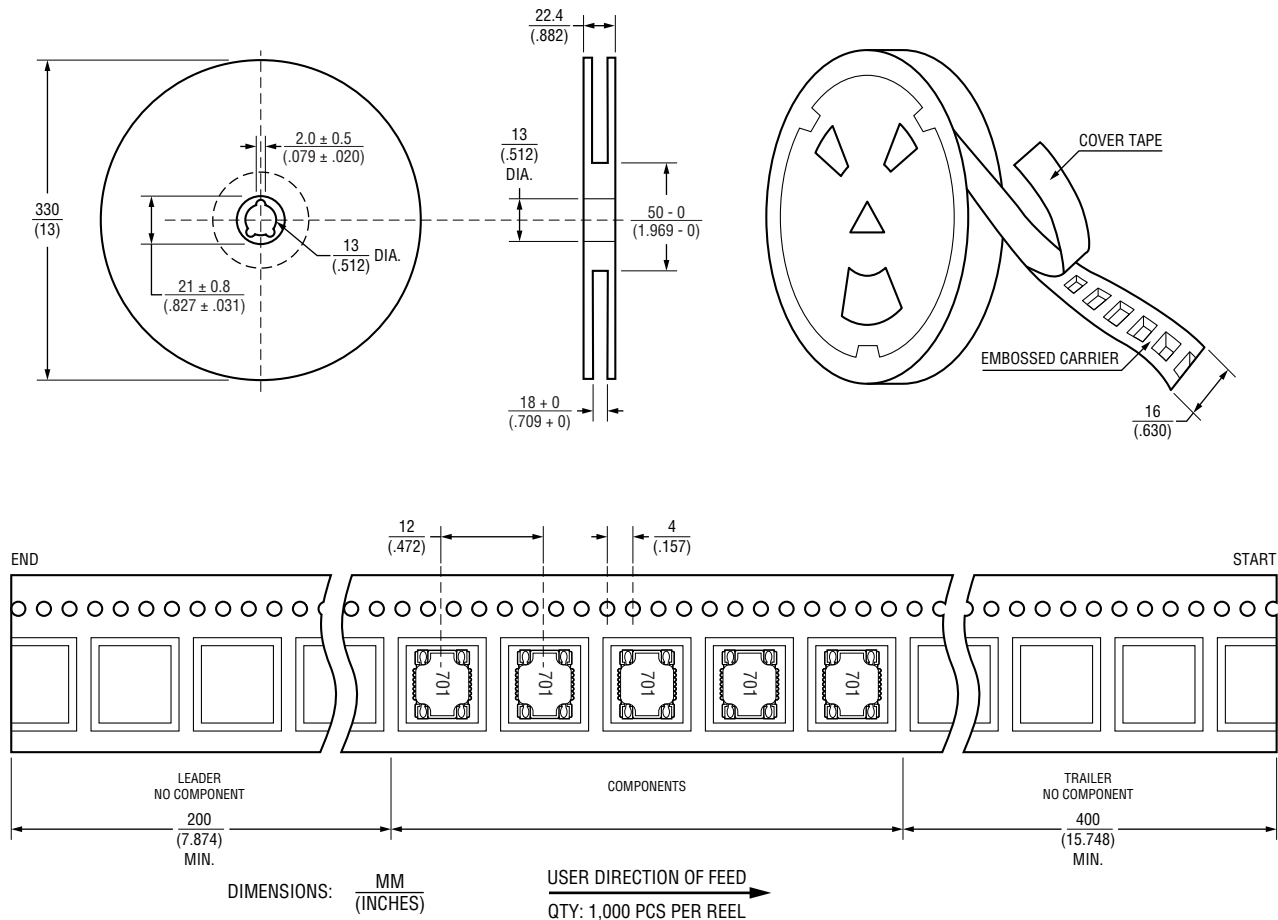
## Typical Impedance vs. Frequency Curves



## Temperature Rise Plots



## Packaging Specifications



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