

#### **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

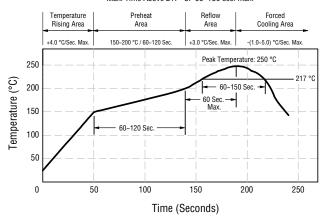
## **SRF9045A Series - Common Mode Chokes**

### Electrical Specifications at 25 °C

	Z (Ω) @ 100 MHz		L (μH),	202 ( 6)	
Part Number	Min.	Тур.	N1/N2 Ref. @ 100 kHz / 0.1 V	DCR (mΩ), N1/N2, Max.	Irms (A)
SRF9045A-701Y	500	700	7.5	10	5

### **Soldering Profile**

Peak Temperature: 250 °C max. Max. Peak Temperature -5 °C: 30 sec. max. Max. Time Above 217 °C: 60~150 sec. max.



#### **Additional Information**

Click these links for more information:











PRODUCT SELECTOR

TECHNICAL INVENTORY LIBRARY

ORY SAMPLES

CONTACT

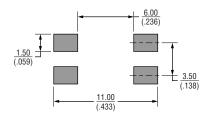
### **General Specifications**

Rated Voltage80 VDC
Hi-Pot500 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 Rise40 °C at rated Irms
MSL1
ESD Classification (HBM)N/A
. ,

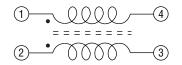
#### Materials

Core	Ferrite
Wire	Enameled copper
Terminal Finish	Sn
Packaging1000 p	cs. per 13-inch reel

#### **Recommended Layout**



#### **Electrical Schematic**





#### WARNING Cancer and Reproductive Harm

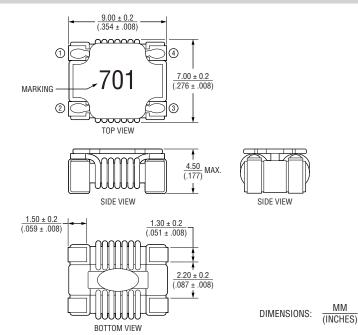
www.P65Warnings.ca.gov

\* 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.

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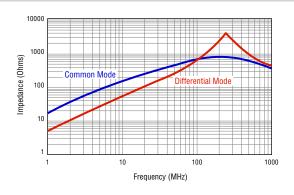
#### **Product Dimensions**



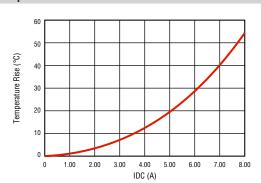
## **SRF9045A Series - Common Mode Chokes**

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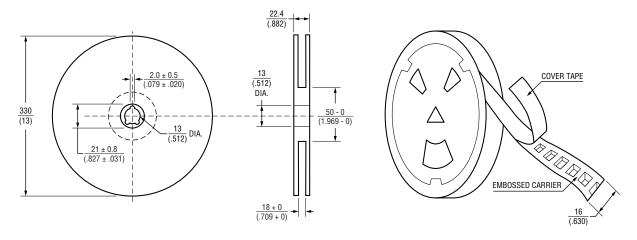
### Typical Impedance vs. Frequency Curves

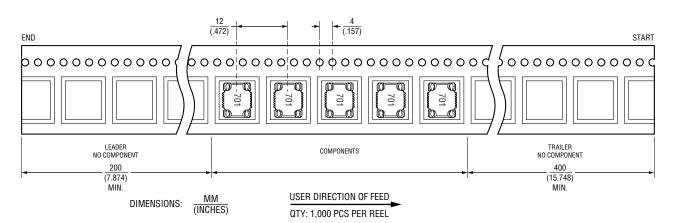


#### **Temperature Rise Plots**



#### **Packaging Specifications**





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