

### Features

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

SRF9045A Series - Common Mode Chokes

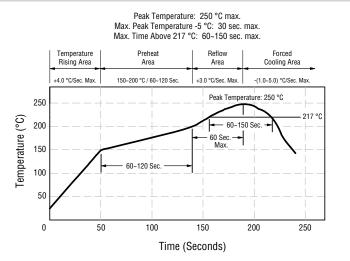
## **Applications**

- EMI suppression power line
- Noise filters power line

#### Electrical Specifications at 25 °C

	Ζ (Ω) @	100 MHz	L (μΗ),		
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**



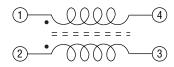
#### **General Specifications**

Rated Voltage
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
MSL
ESD Classification (HBM)N/A

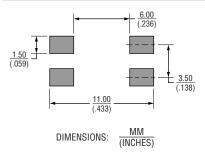
#### Materials

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

#### **Electrical Schematic**



#### Recommended Layout

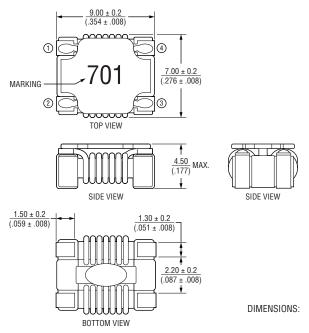


#### WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

\* 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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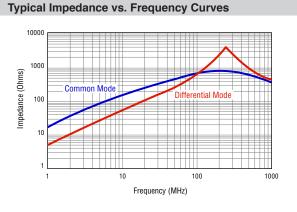
#### **Product Dimensions**



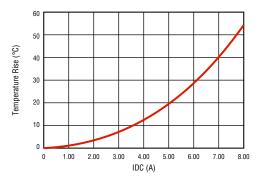
IS: <u>MM</u> (INCHES)

# SRF9045A Series - Common Mode Chokes

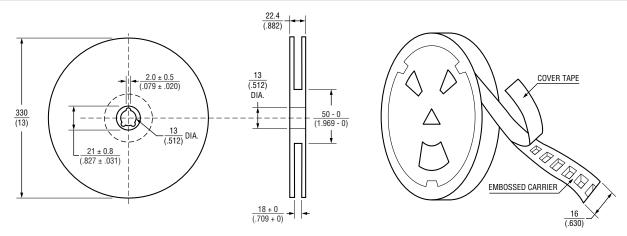
# BOURNS®

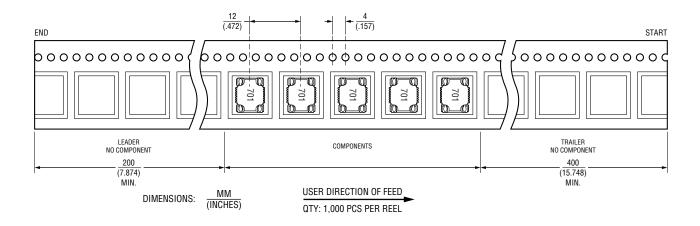


#### Temperature Rise Plots



#### **Packaging Specifications**





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