

### Features

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

### Applications

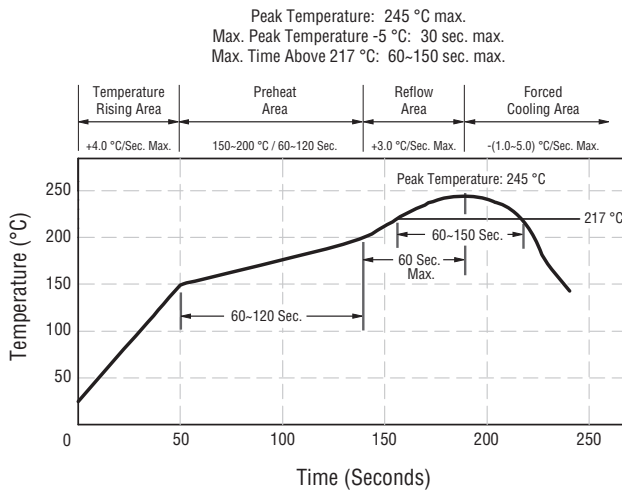
- EMI suppression – power line
- Noise filters – power line

## SRF1206A 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.			
SRF1206A-701Y	500	700	9	6	8
SRF1206A-102Y	750	1000	12.5	14	6

### Soldering Profile



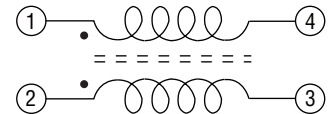
### General Specifications

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

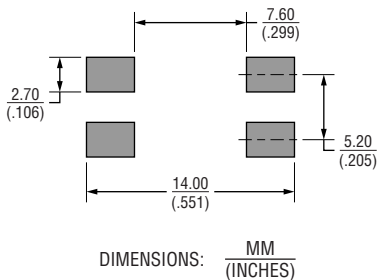
### Materials

Core..... Ferrite  
Wire ..... Enamelled copper  
Terminal Finish ..... Sn  
Packaging ..... 500 pcs. per 13-inch reel

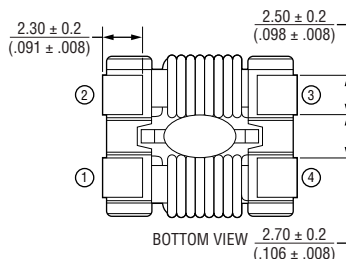
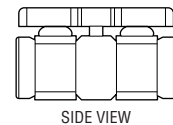
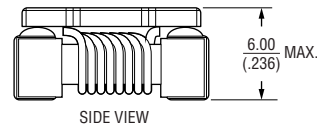
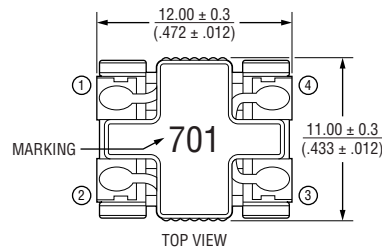
### Electrical Schematic



### Recommended Layout



### Product Dimensions



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



**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.

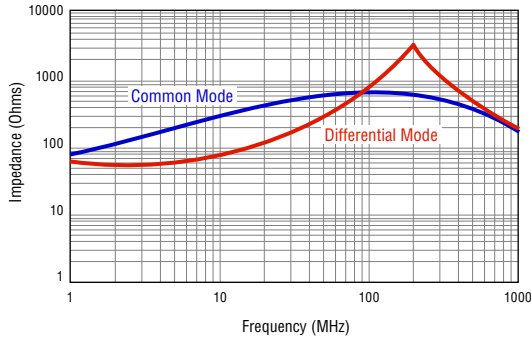
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# SRF1206A Series - Common Mode Chokes



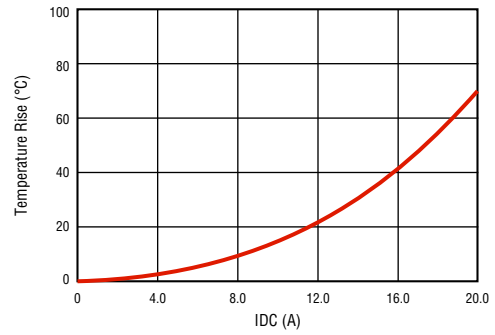
## Typical Impedance vs. Frequency Curves

SRF1206A-701Y

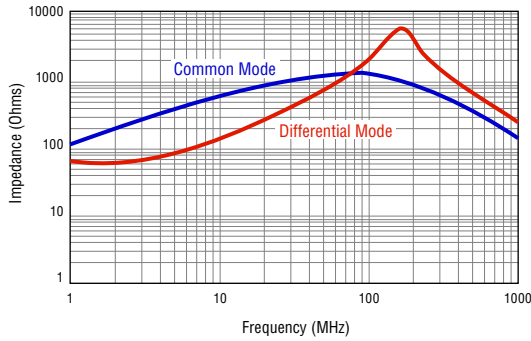


## Temperature Rise Plots

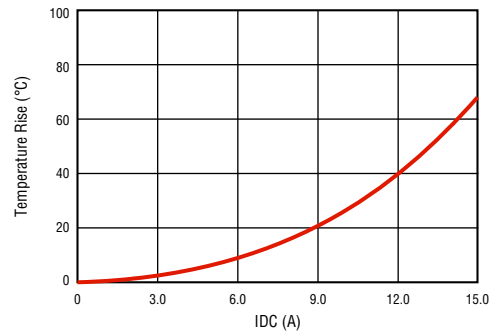
SRF1206A-701Y



SRF1206A-102Y



SRF1206A-102Y



Specifications are subject to change without notice.

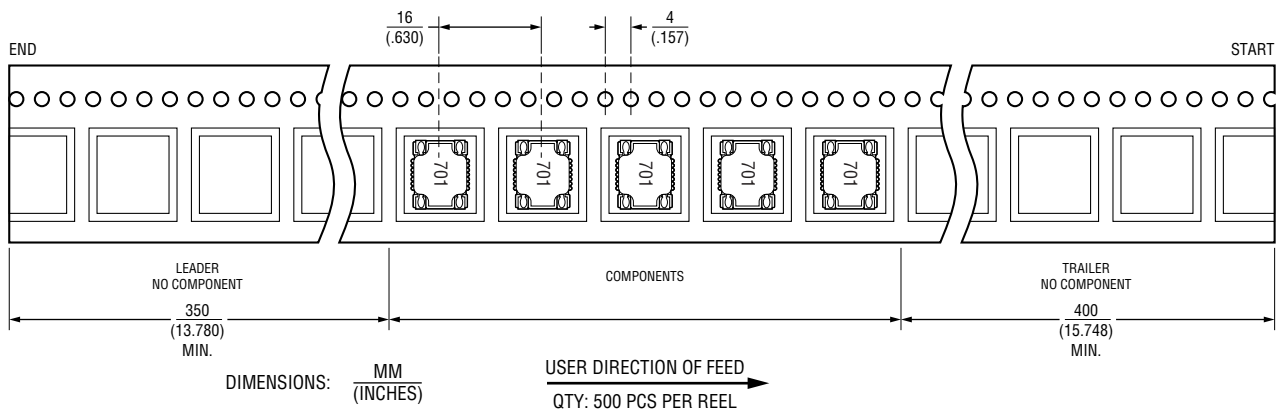
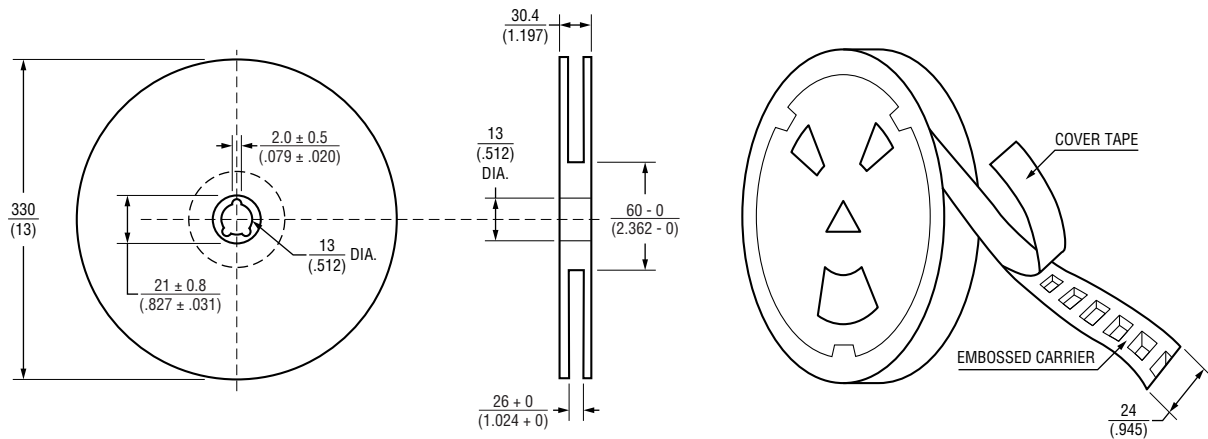
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# SRF1206A Series - Common Mode Chokes

**BOURNS®**

## Packaging Specifications



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