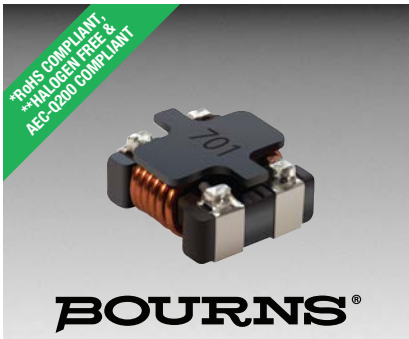




## Features

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

## Applications

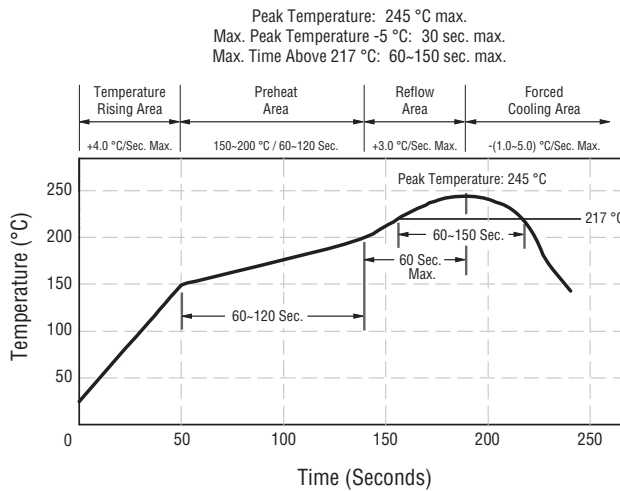
- EMI suppression – power line
- Noise filters – power line

## SRF1206A Series - Common Mode Chokes

### Electrical Specifications at 25 °C

| Part Number   | Z (Ω) @ 100 MHz |      | L (μH),<br>N1/N2 Ref.<br>@ 100 kHz / 0.1 V | DCR (mΩ),<br>N1/N2, Max. | I <sub>rms</sub><br>(A) |
|---------------|-----------------|------|--------------------------------------------|--------------------------|-------------------------|
|               | Min.            | Typ. |                                            |                          |                         |
| SRF1206A-701Y | 500             | 700  | 9                                          | 6                        | 8                       |
| SRF1206A-102Y | 750             | 1000 | 12.5                                       | 14                       | 6                       |

### Soldering Profile



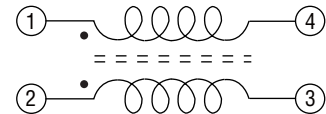
### General Specifications

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

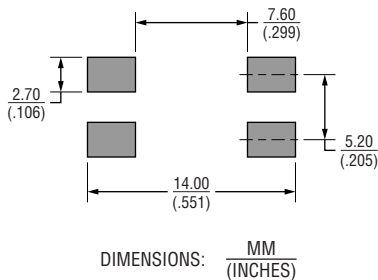
### Materials

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

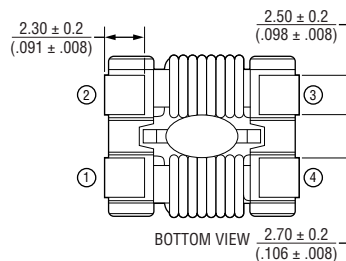
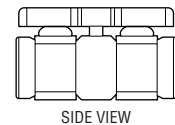
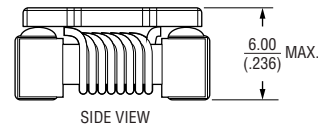
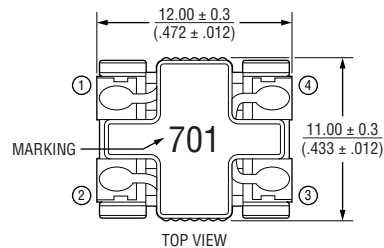
### Electrical Schematic



### 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.

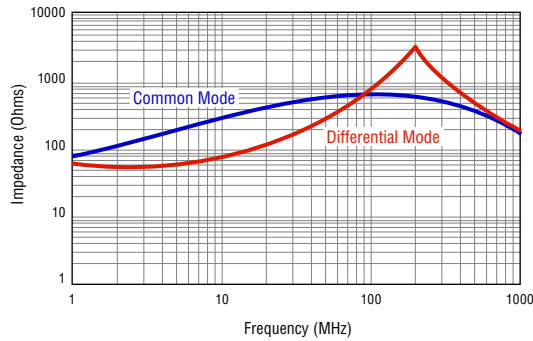
Specifications are subject to change without notice.  
Users should verify actual device performance in their  
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## SRF1206A Series - Common Mode Chokes

**BOURNS®**

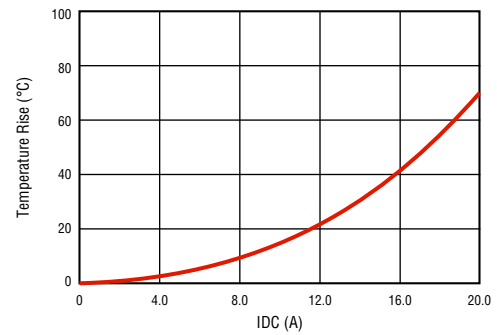
### Typical Impedance vs. Frequency Curves

#### SRF1206A-701Y

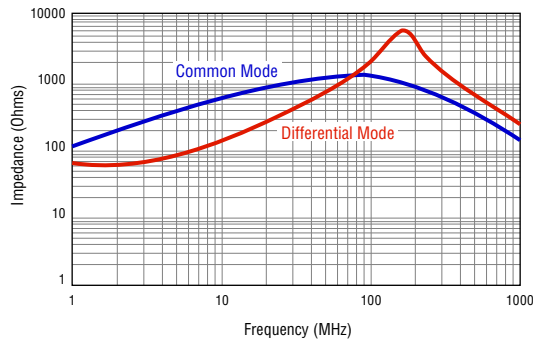


### Temperature Rise Plots

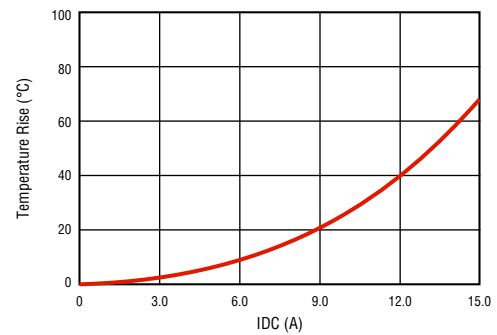
#### SRF1206A-701Y



#### SRF1206A-102Y



#### SRF1206A-102Y



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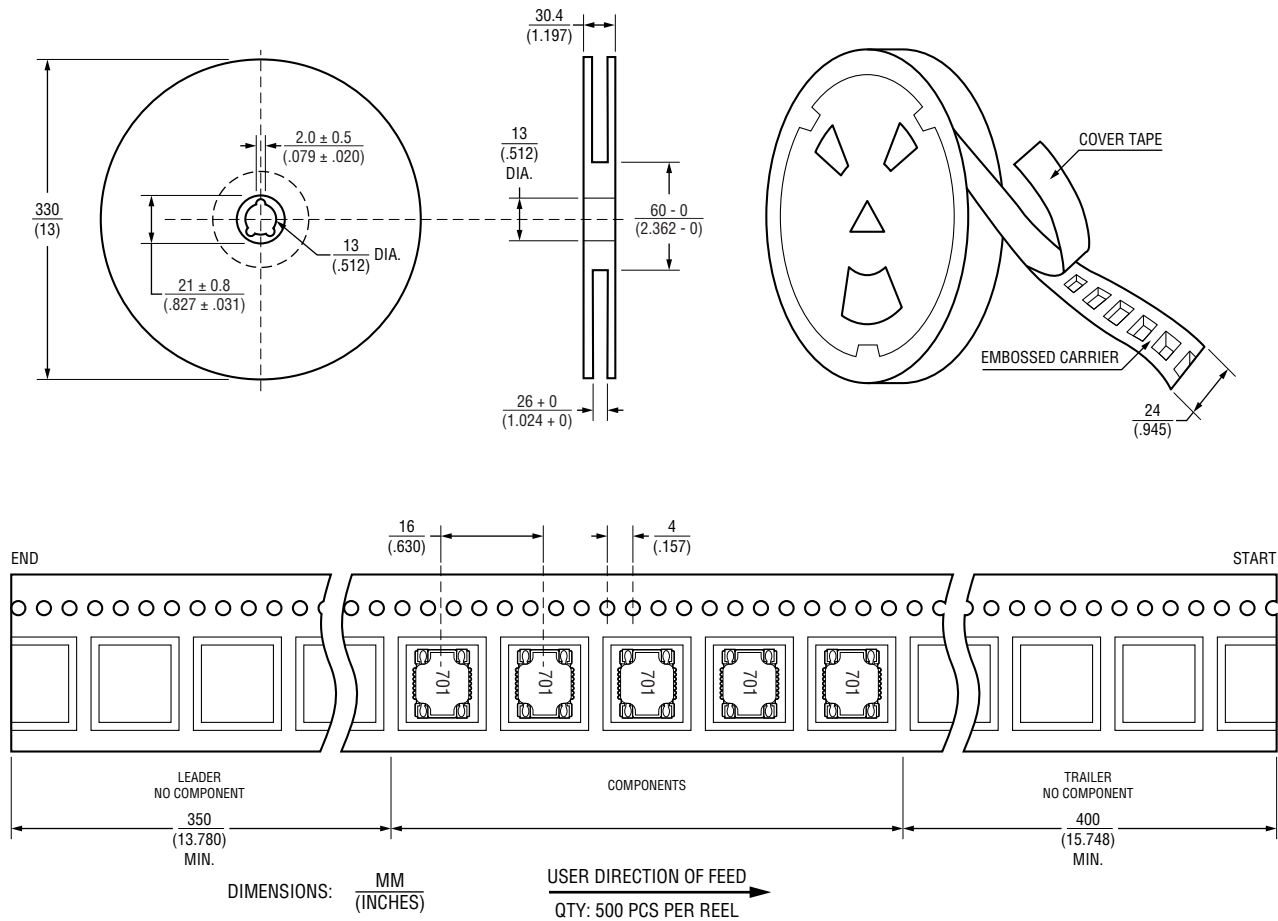
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## SRF1206A Series - Common Mode Chokes

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### Packaging Specifications



**BOURNS®**

**Asia-Pacific:** Tel: +886-2 2562-4117 • Email: [asiacus@bourns.com](mailto:asiacus@bourns.com)

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