

#### **Features**

- Shielded construction low radiation
- High impedance
- High current
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

### **Applications**

- EMI suppression power line
- Noise filters power line

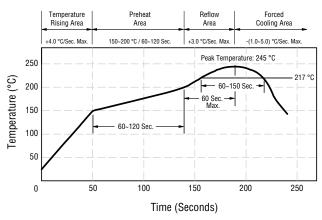
# SRF1206A Series - Common Mode Chokes

### Electrical Specifications at 25 °C

	Z (Ω) @ 100 MHz		L (µH),	( a)	
Part Number	Min.	Тур.	N1/N2 Ref. @ 100 kHz / 0.1 V	DCR (mΩ), N1/N2, Max.	IDC (A)
SRF1206A-501Y	350	500	6.0	4.5	10.0
SRF1206A-701Y	500	700	9.0	6.0	8.0
SRF1206A-102Y	750	1000	12.5	14.0	6.0
SRF1206A-172Y	1100	1700	17.0	21.0	4.8

#### **Soldering Profile**

Peak Temperature: 245 °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:









INVE

/ENTORY S/

CONTAC

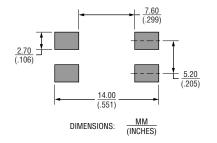
#### **General Specifications**

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 max at IDC
MSL1
ESD Classification (HBM)N/A

#### Materials

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

#### **Recommended Layout**



#### **CALIFORNIA WARNING:**



Can expose you to lead, a carcinogen and reproductive toxicant.

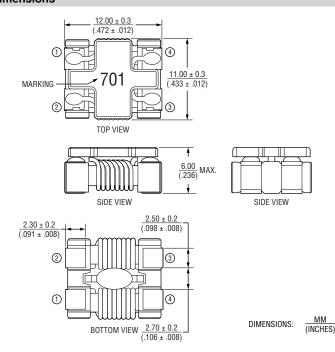
See www.P65Warnings.ca.gov

\* 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 specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at <a href="https://www.bourns.com/docs/legal/disclaimer.pdf">www.bourns.com/docs/legal/disclaimer.pdf</a>.

#### **Product Dimensions**

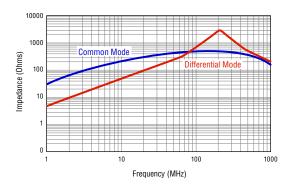


# SRF1206A Series - Common Mode Chokes

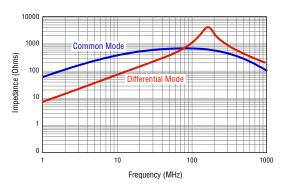
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#### **Typical Impedance vs. Frequency Curves**

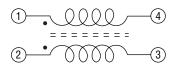
#### SRF1206A-501Y



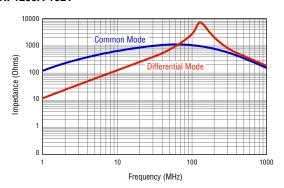
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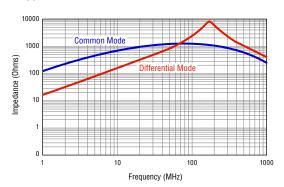
#### **Electrical Schematic**



#### SRF1206A-102Y



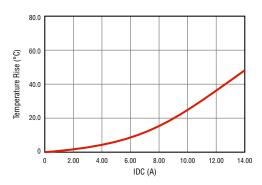
#### SRF1206A-172Y



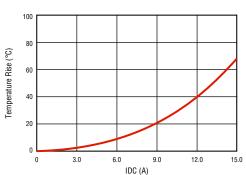
# SRF1206A Series – Common Mode Chokes

### **Temperature Rise Plots**

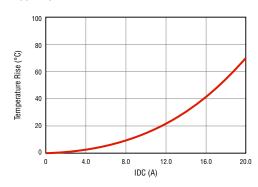
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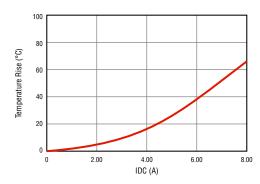
#### SRF1206A-102Y



### SRF1206A-701Y



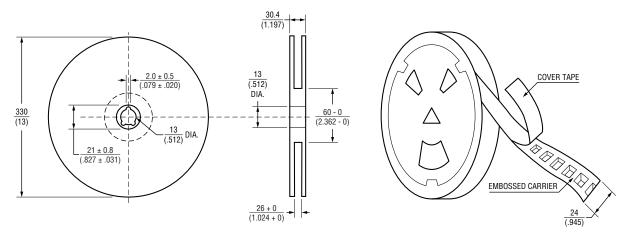
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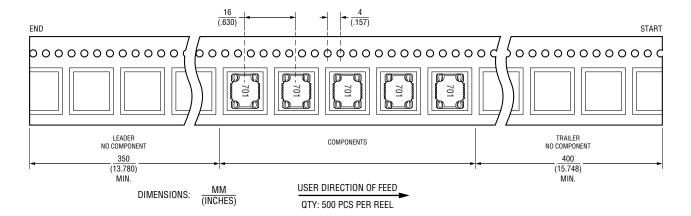


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#### **Packaging Specifications**





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