

Features

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

Applications

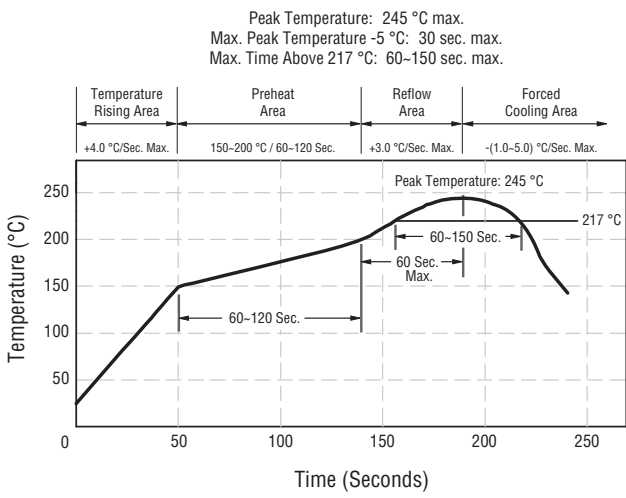
- EMI suppression – power line
- Noise filters – power line

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.	Irms (A)
	Min.	Typ.			
SRF1206A-701Y	500	700	9	6	8
SRF1206A-102Y	750	1000	12.5	14	6

Soldering Profile



Additional Information

Click these links for more information:



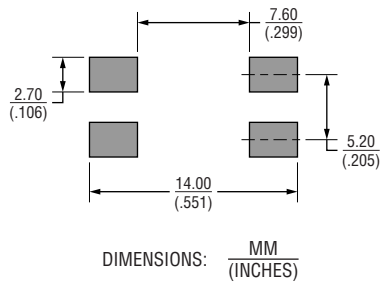
General Specifications

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 Irms
 MSL 1
 ESD Classification (HBM) N/A

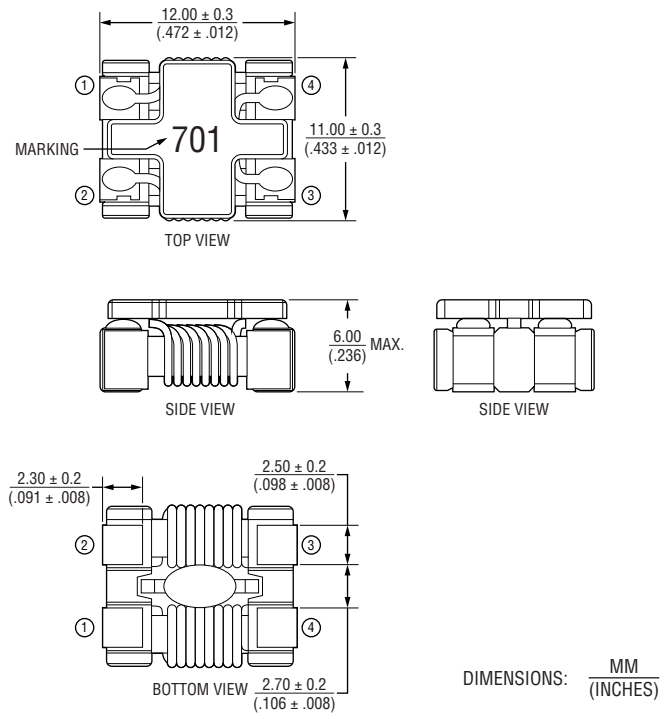
Materials

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

Recommended Layout



Product Dimensions



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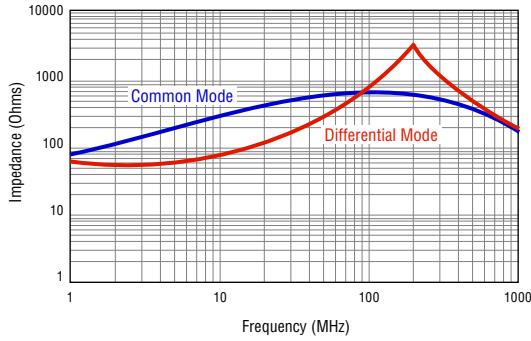
DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

SRF1206A Series - Common Mode Chokes



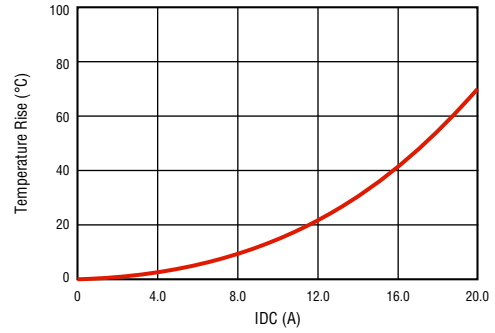
Typical Impedance vs. Frequency Curves

SRF1206A-701Y

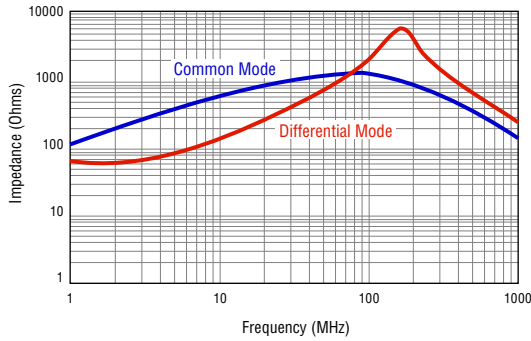


Temperature Rise Plots

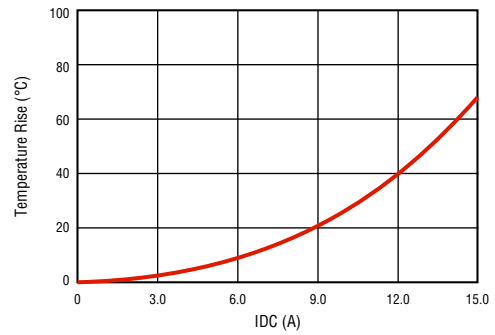
SRF1206A-701Y



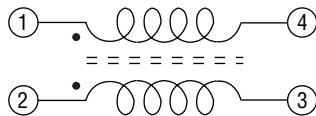
SRF1206A-102Y



SRF1206A-102Y



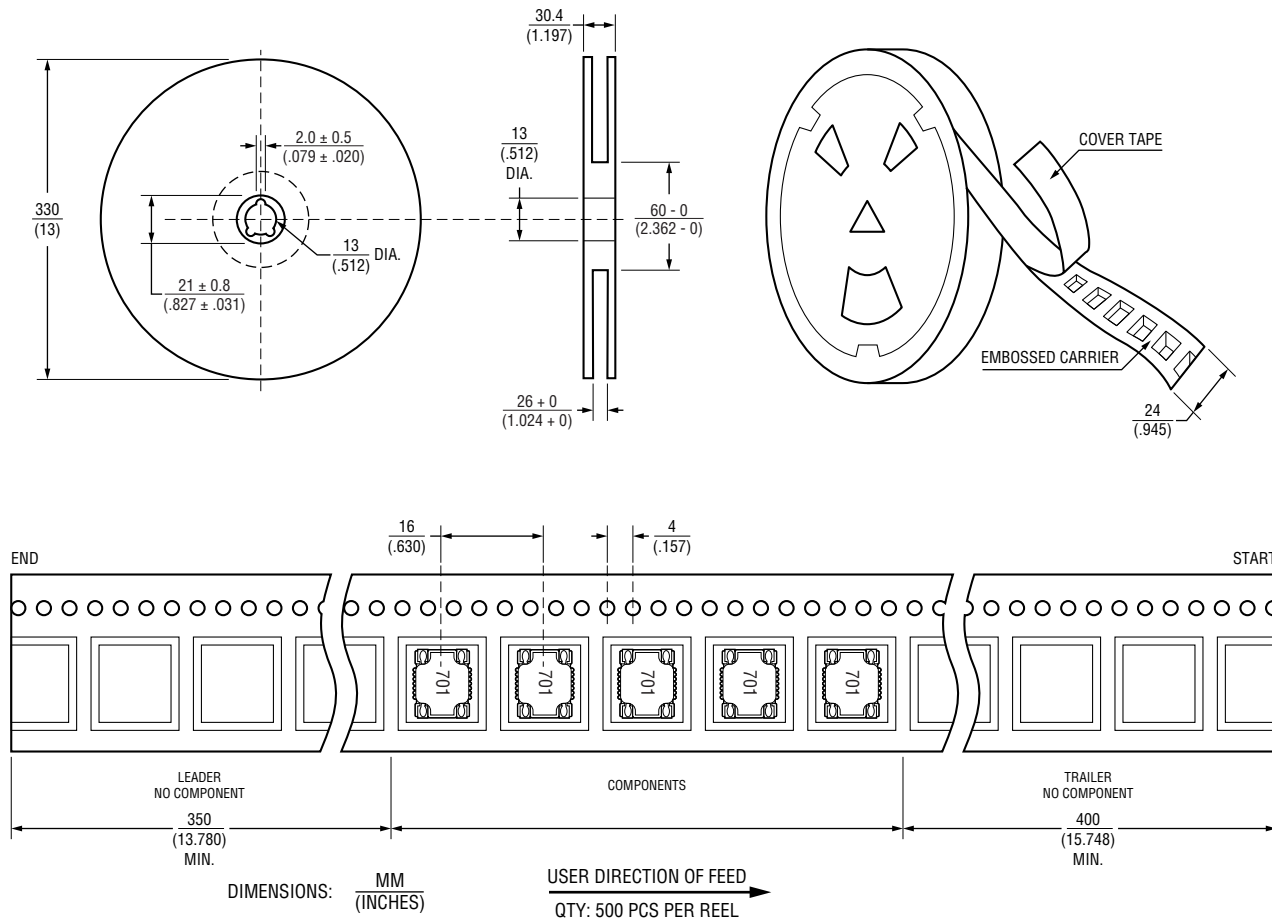
Electrical Schematic



SRF1206A Series - Common Mode Chokes

BOURNS®

Packaging Specifications



BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

REV. 5/23

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