

Features

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

Applications

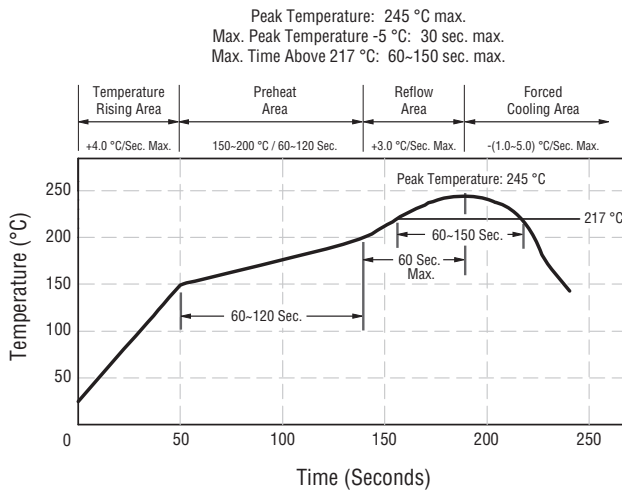
- EMI suppression – power line
- Noise filters – power line

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

Soldering Profile



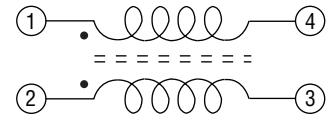
General Specifications

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_{rms}
MSL 1
ESD Classification (HBM)..... N/A

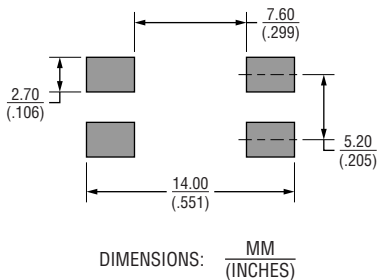
Materials

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

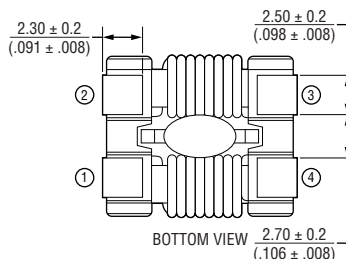
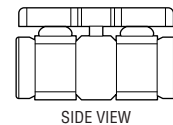
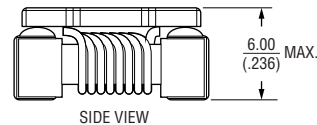
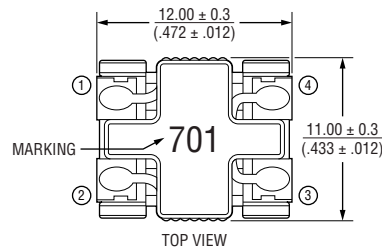
Electrical Schematic



Recommended Layout



Product Dimensions



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



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

* 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.

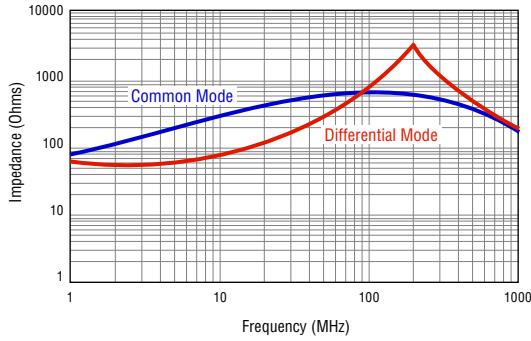
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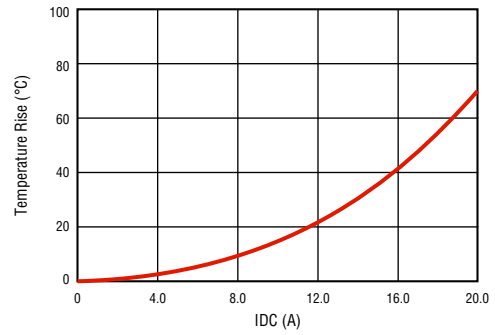
Typical Impedance vs. Frequency Curves

SRF1206A-701Y

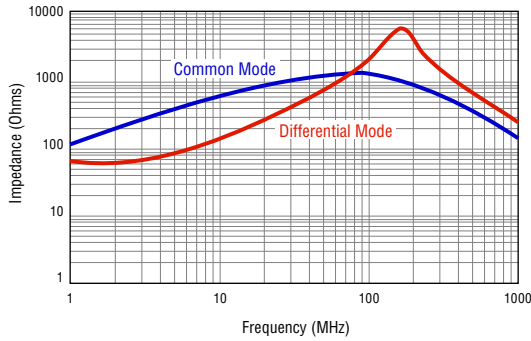


Temperature Rise Plots

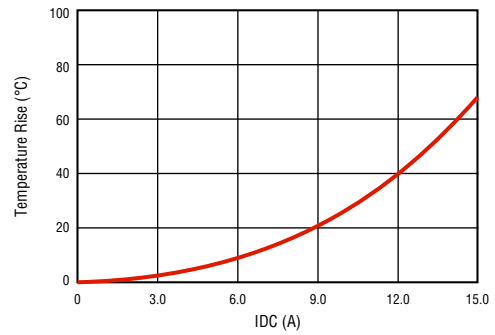
SRF1206A-701Y



SRF1206A-102Y



SRF1206A-102Y



Specifications are subject to change without notice.

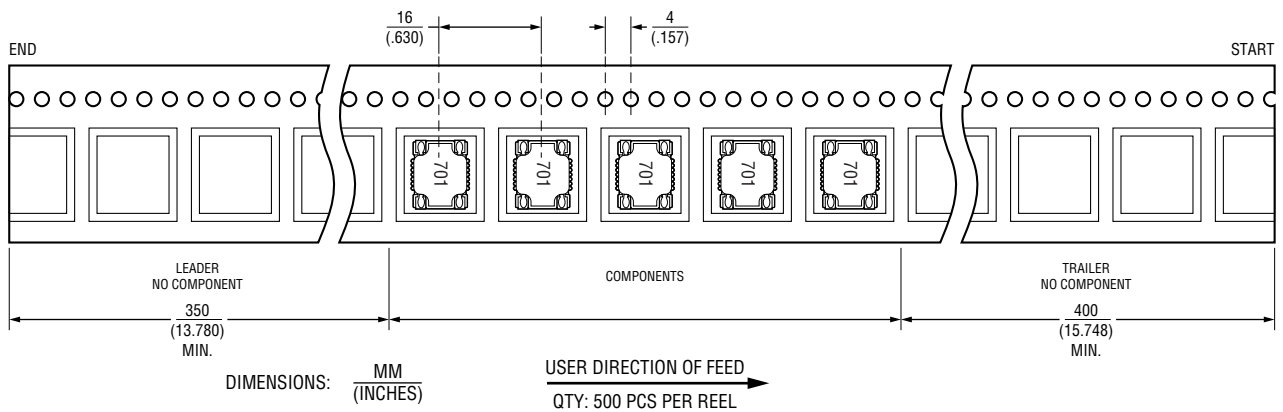
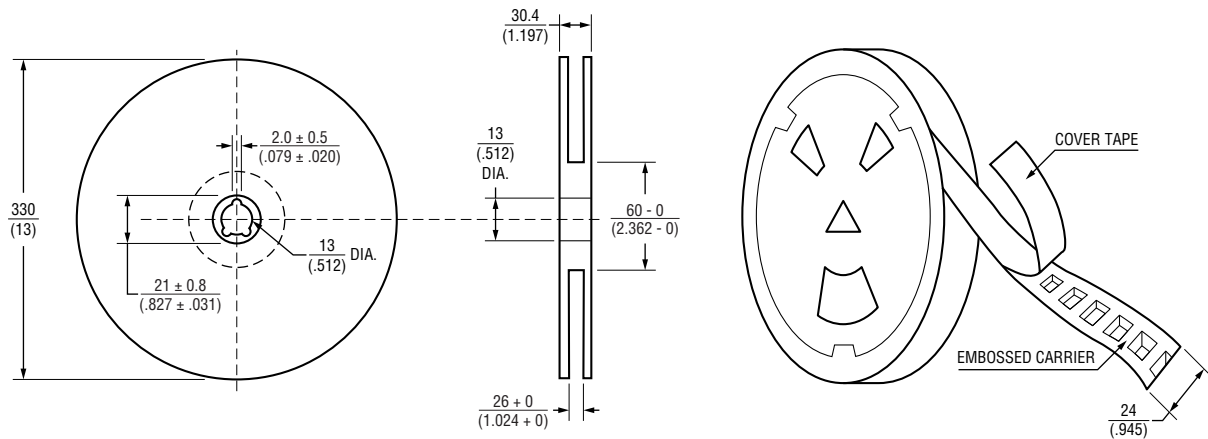
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BOURNS®

Packaging Specifications



BOURNS®

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

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

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

www.bourns.com

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