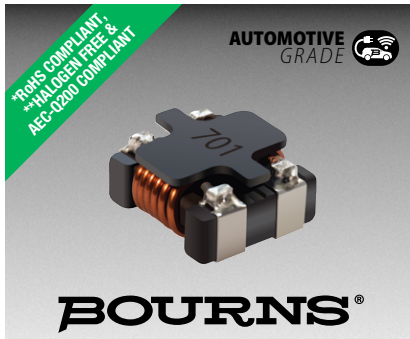




Features

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

Applications

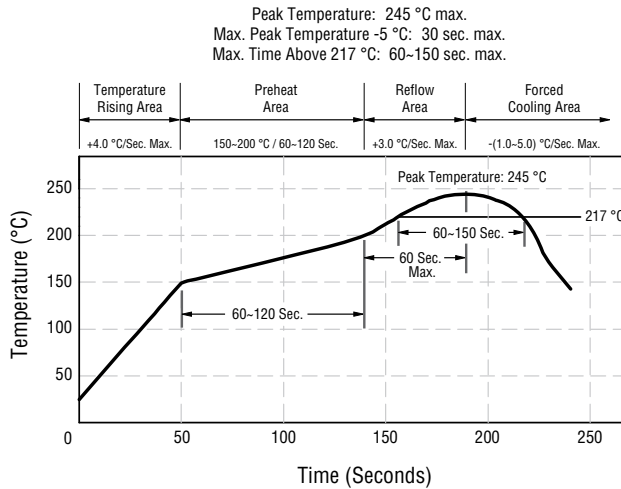
- EMI suppression – power line
- Noise filters – power line

SRF1206A Series – Common Mode Chokes

Electrical Specifications at 25 °C

Part Number	Z (Ω) @ 100 MHz		L (μH), N1/N2 Ref. @ 100 kHz / 0.1 V	DCR (mΩ), N1/N2, Max.	IDC (A)
	Min.	Typ.			
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



Additional Information

Click these links for more information:



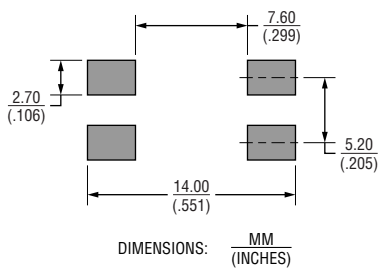
General Specifications

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 max at IDC
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



CALIFORNIA WARNING:

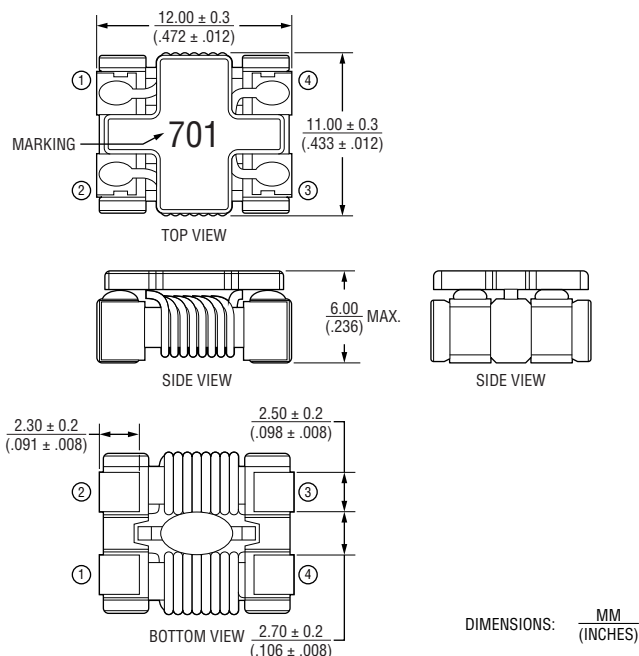
Can expose you to lead, a carcinogen and reproductive toxicant.
See www.P65Warnings.ca.gov



* 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.

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Product Dimensions

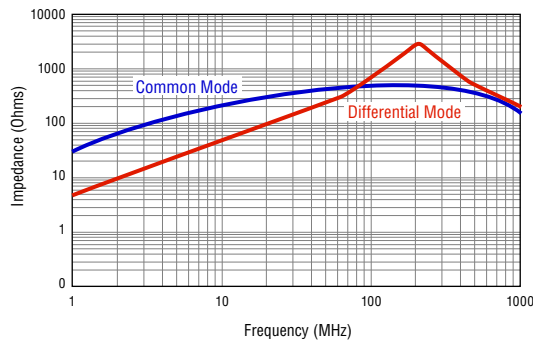


SRF1206A Series – Common Mode Chokes

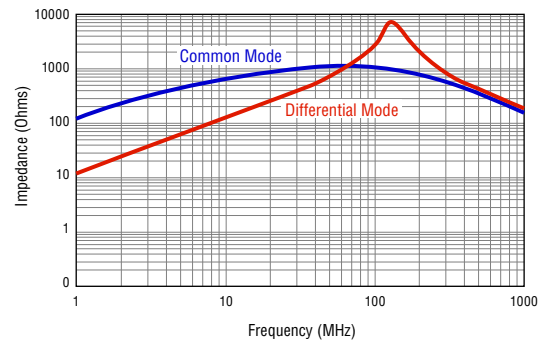
BOURNS®

Typical Impedance vs. Frequency Curves

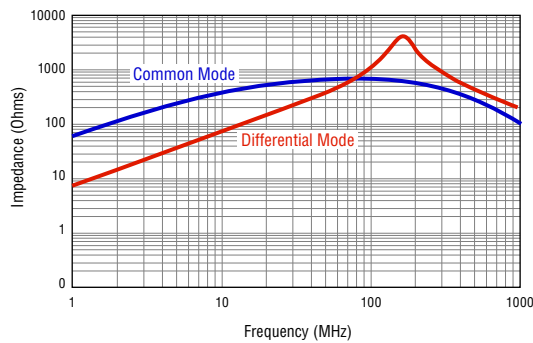
SRF1206A-501Y



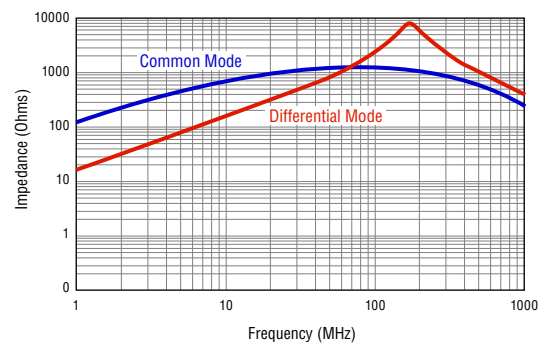
SRF1206A-102Y



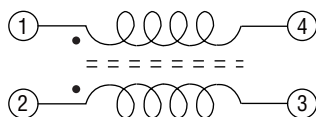
SRF1206A-701Y



SRF1206A-172Y



Electrical Schematic



Specifications are subject to change without notice.

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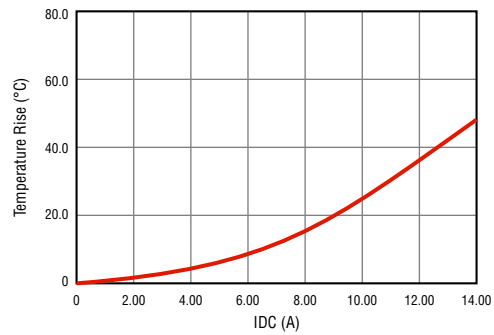
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SRF1206A Series – Common Mode Chokes

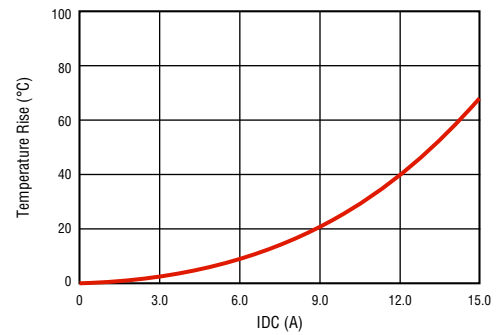
BOURNS®

Temperature Rise Plots

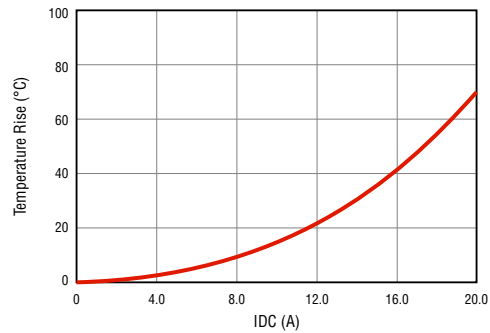
SRF1206A-501Y



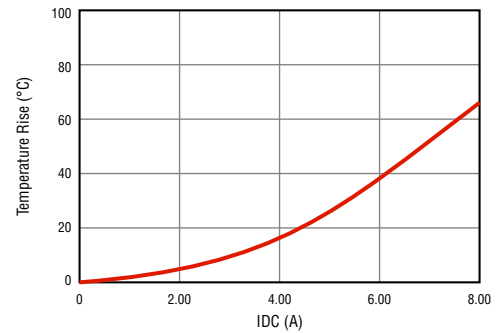
SRF1206A-102Y



SRF1206A-701Y



SRF1206A-172Y



Specifications are subject to change without notice.

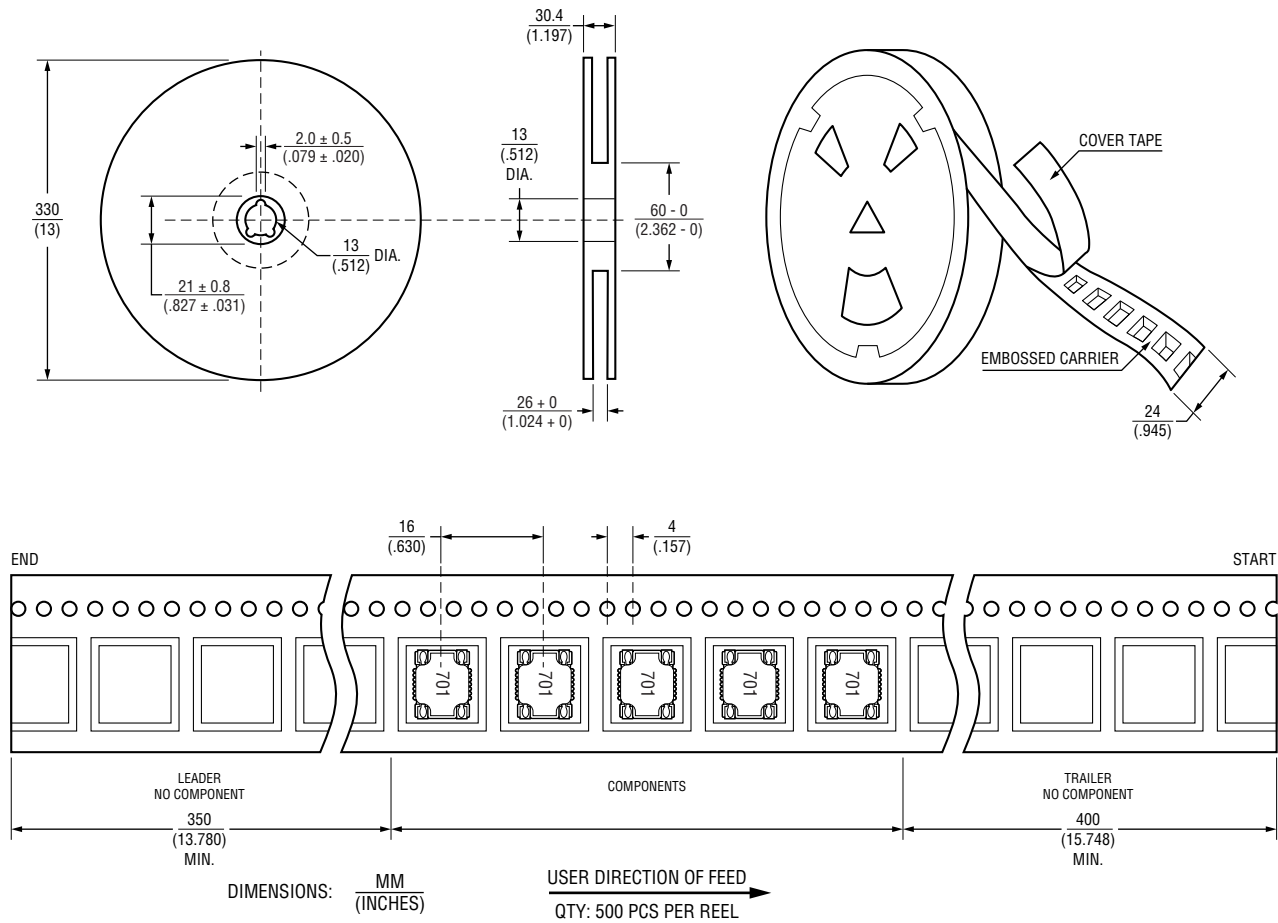
Users should verify actual device performance in their specific applications.

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SRF1206A Series – Common Mode Chokes

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Packaging Specifications



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