



Features

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

Applications

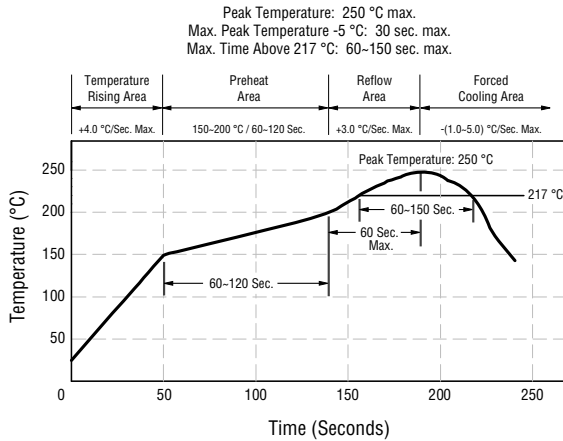
- EMI suppression – DC power line
- Noise filters – DC power line

SRF7035A Series - Common Mode Chokes

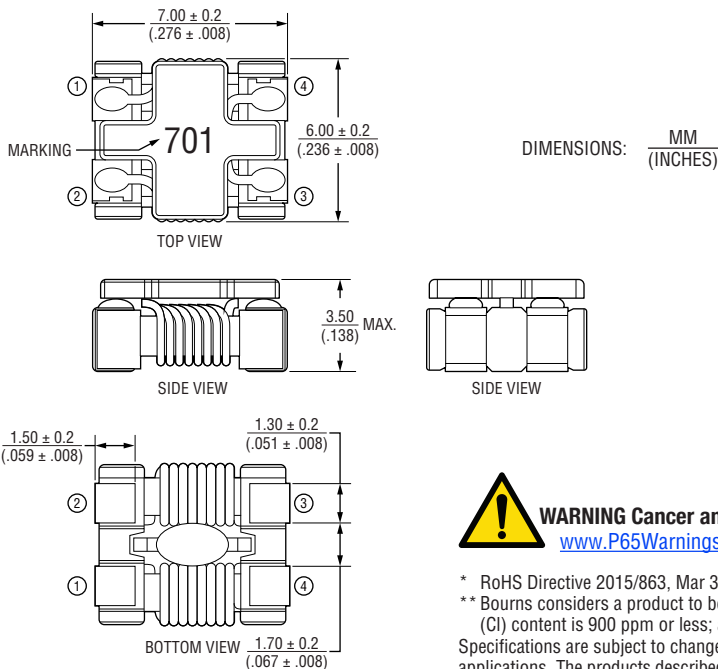
Electrical Specifications at 25 °C

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.			
SRF7035A-301Y	225	300	4	10	5
SRF7035A-701Y	500	700	7	15	4
SRF7035A-102Y	600	1000	7.9	23	3
SRF7035A-132Y	910	1300	10.4	25	2.5
SRF7035A-302Y	1800	3000	22.6	72	1.2

Soldering Profile



Product Dimensions



Additional Information

Click these links for more information:



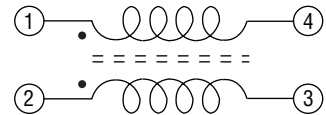
General Specifications

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

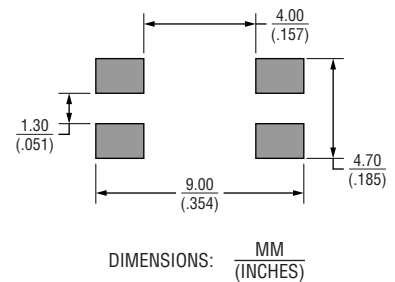
Materials

Core..... Ferrite
 Wire Enameled copper
 Terminal Finish Sn
 Packaging..... 1200 pcs. per 13-inch reel

Electrical Schematic



Recommended Layout

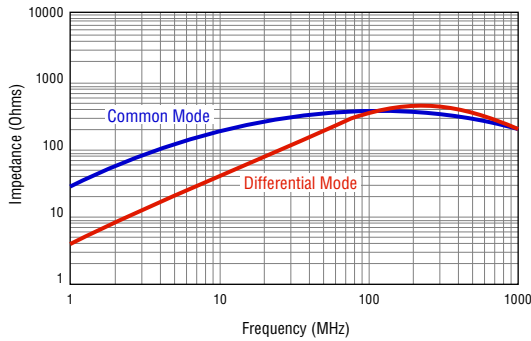


WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

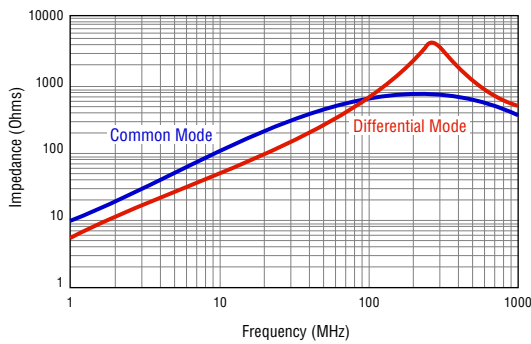
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
 ** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.
 Specifications are 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 www.bourns.com/docs/legal/disclaimer.pdf.

Typical Impedance vs. Frequency Curves

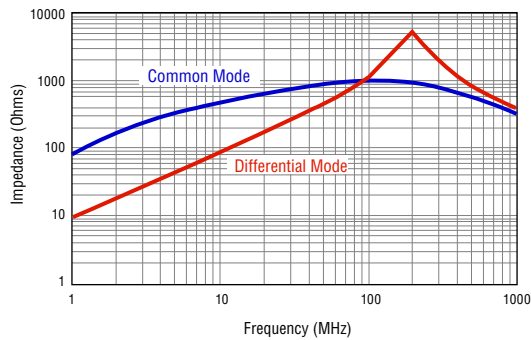
SRF7035A-301Y



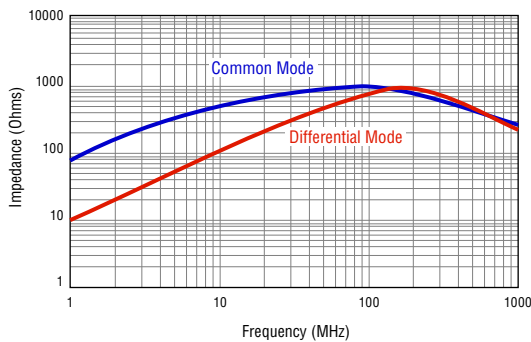
SRF7035A-701Y



SRF7035A-102Y

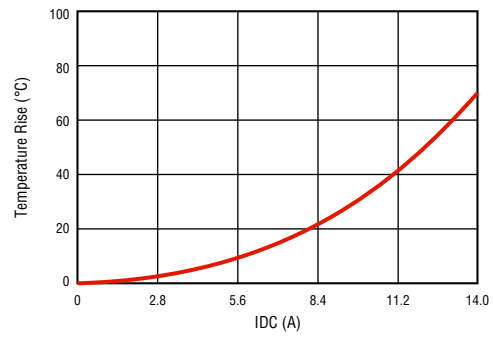


SRF7035A-132Y

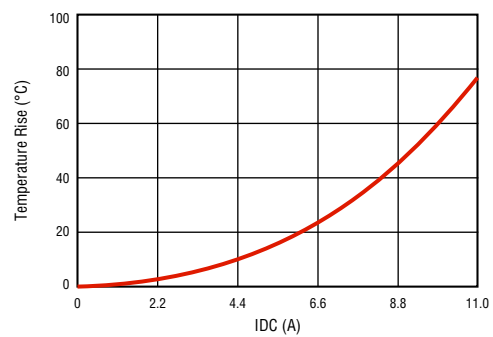


Temperature Rise Plots

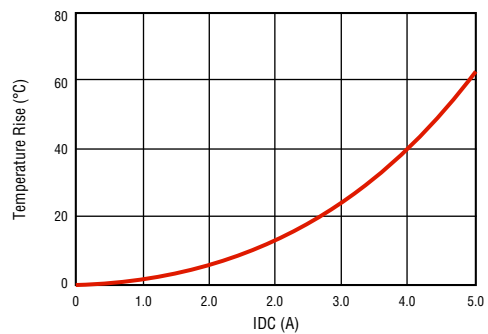
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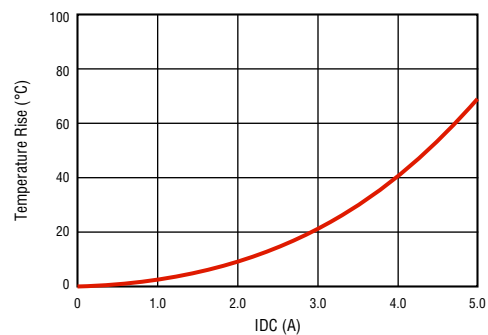
SRF7035A-701Y



SRF7035A-102Y



SRF7035A-132Y



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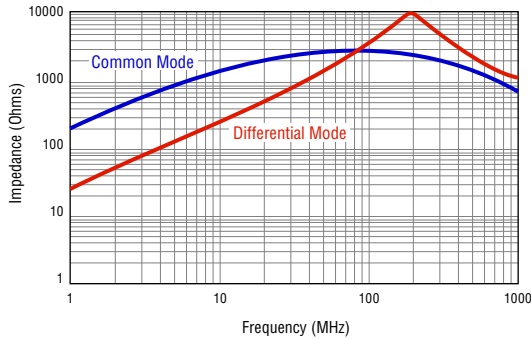
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SRF7035A Series - Common Mode Chokes

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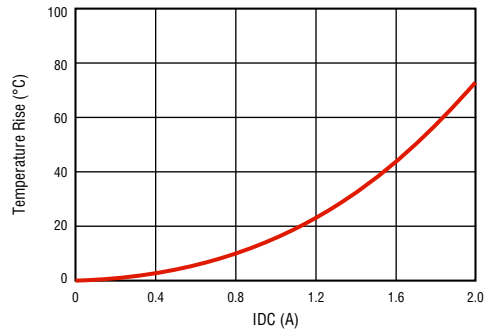
Typical Impedance vs. Frequency Curves (Continued)

SRF7035A-302Y

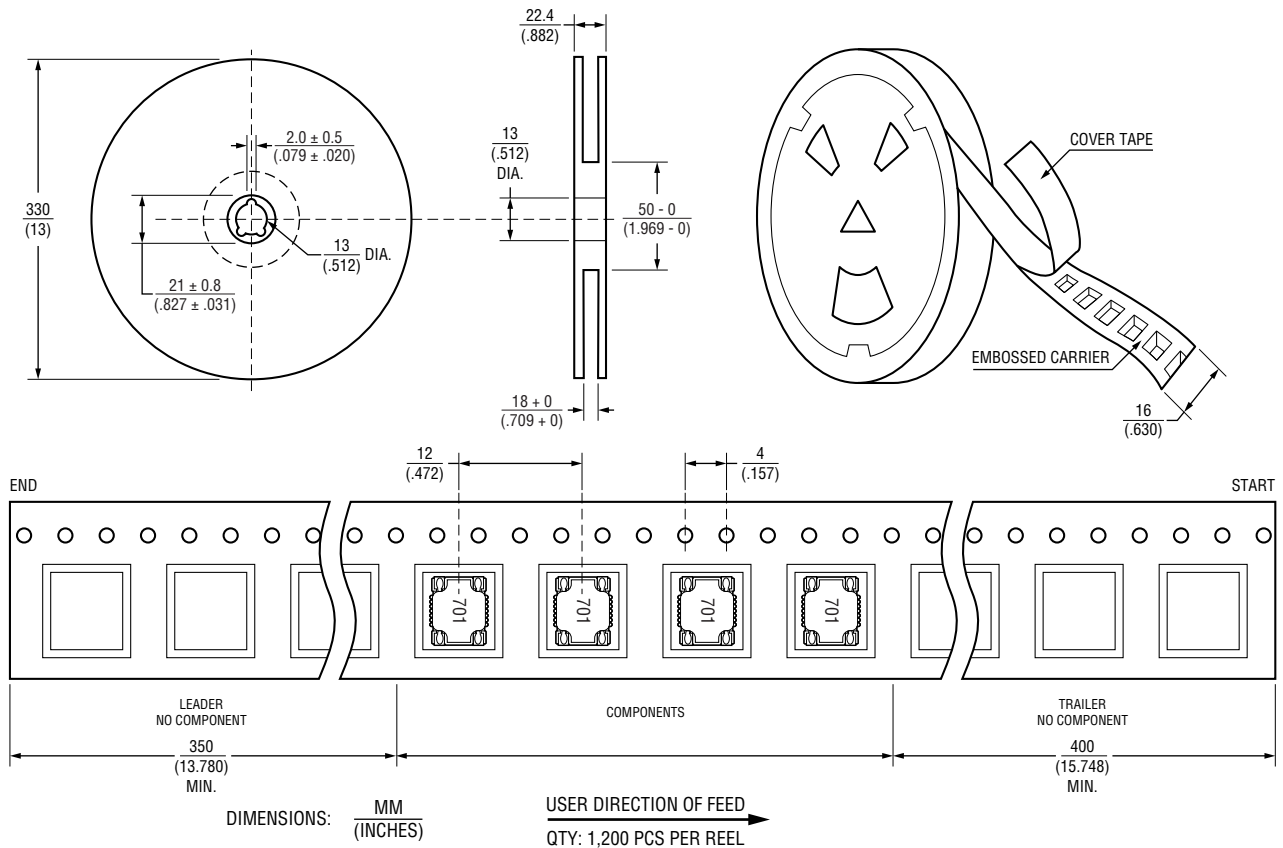


Temperature Rise Plots (Continued)

SRF7035A-302Y



Packaging Specifications



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