

Features

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

Applications

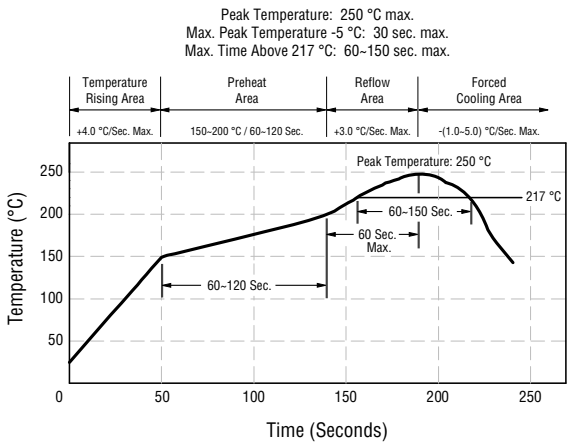
- EMI suppression – DC power line
- Noise filters – DC power line

SRF7035A Series - Common Mode Chokes

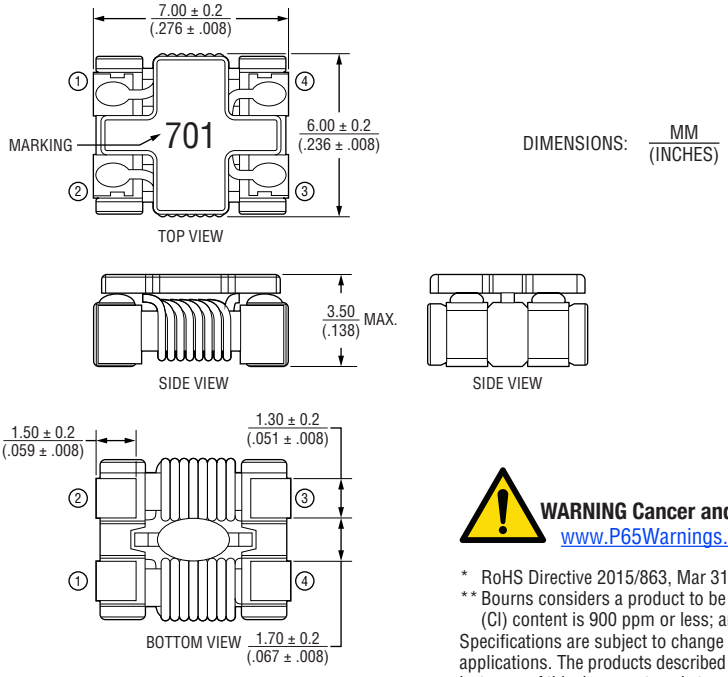
Electrical Specifications at 25 °C

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

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

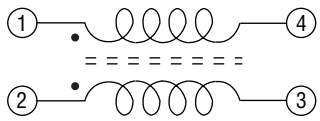
General Specifications

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

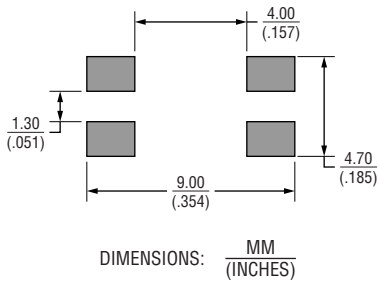
Materials

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

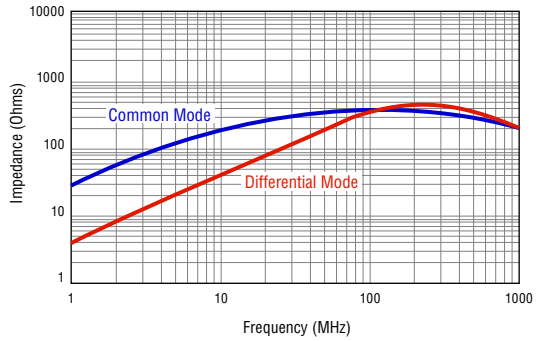
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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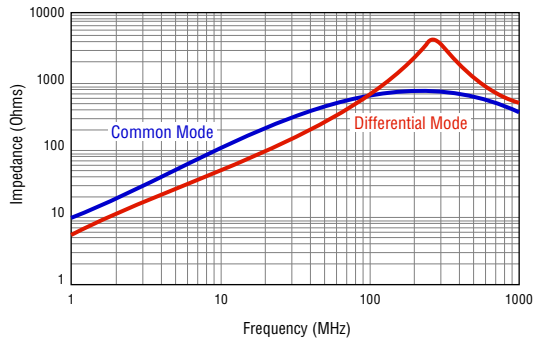
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Typical Impedance vs. Frequency Curves

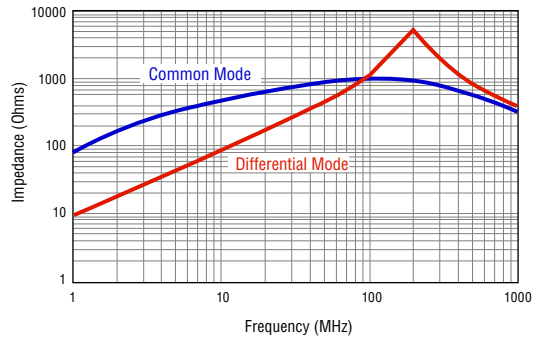
SRF7035A-301Y



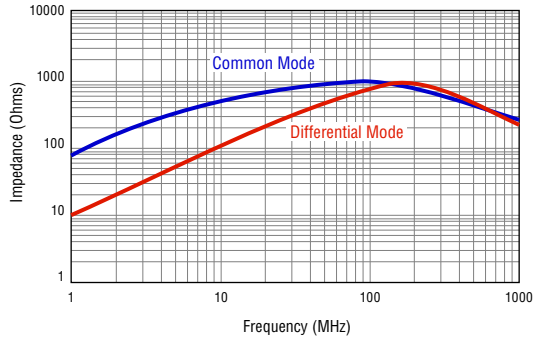
SRF7035A-701Y



SRF7035A-102Y

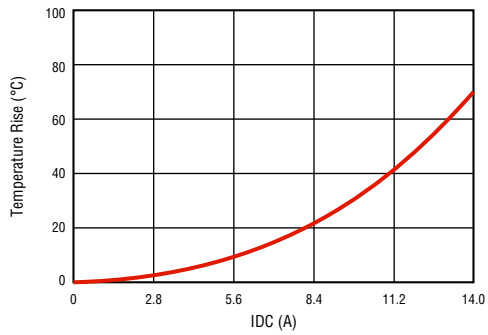


SRF7035A-132Y

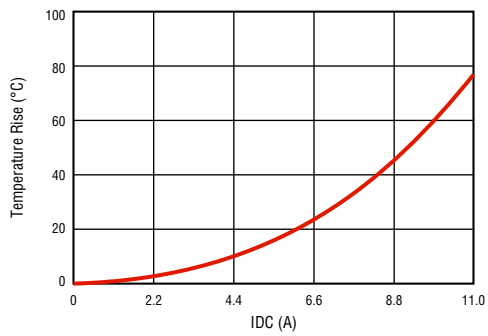


Temperature Rise Plots

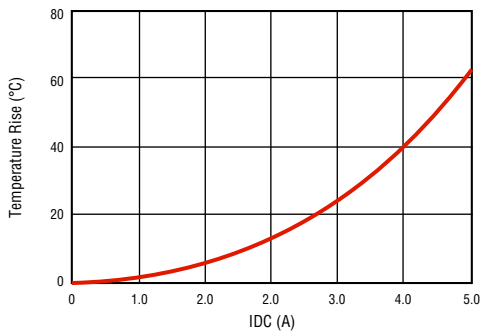
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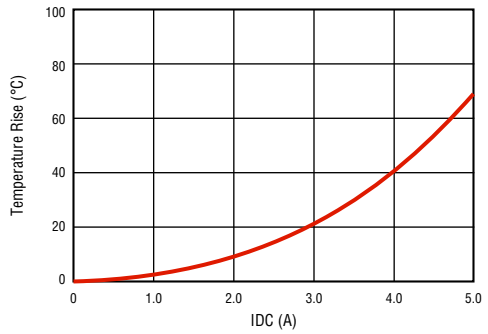
SRF7035A-701Y



SRF7035A-102Y



SRF7035A-132Y

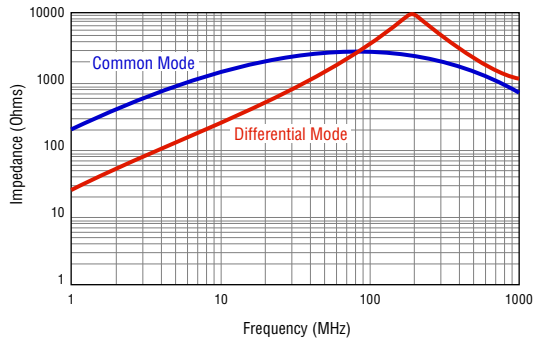


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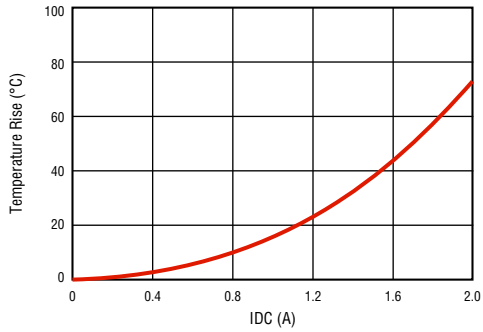
Typical Impedance vs. Frequency Curves (Continued)

SRF7035A-302Y

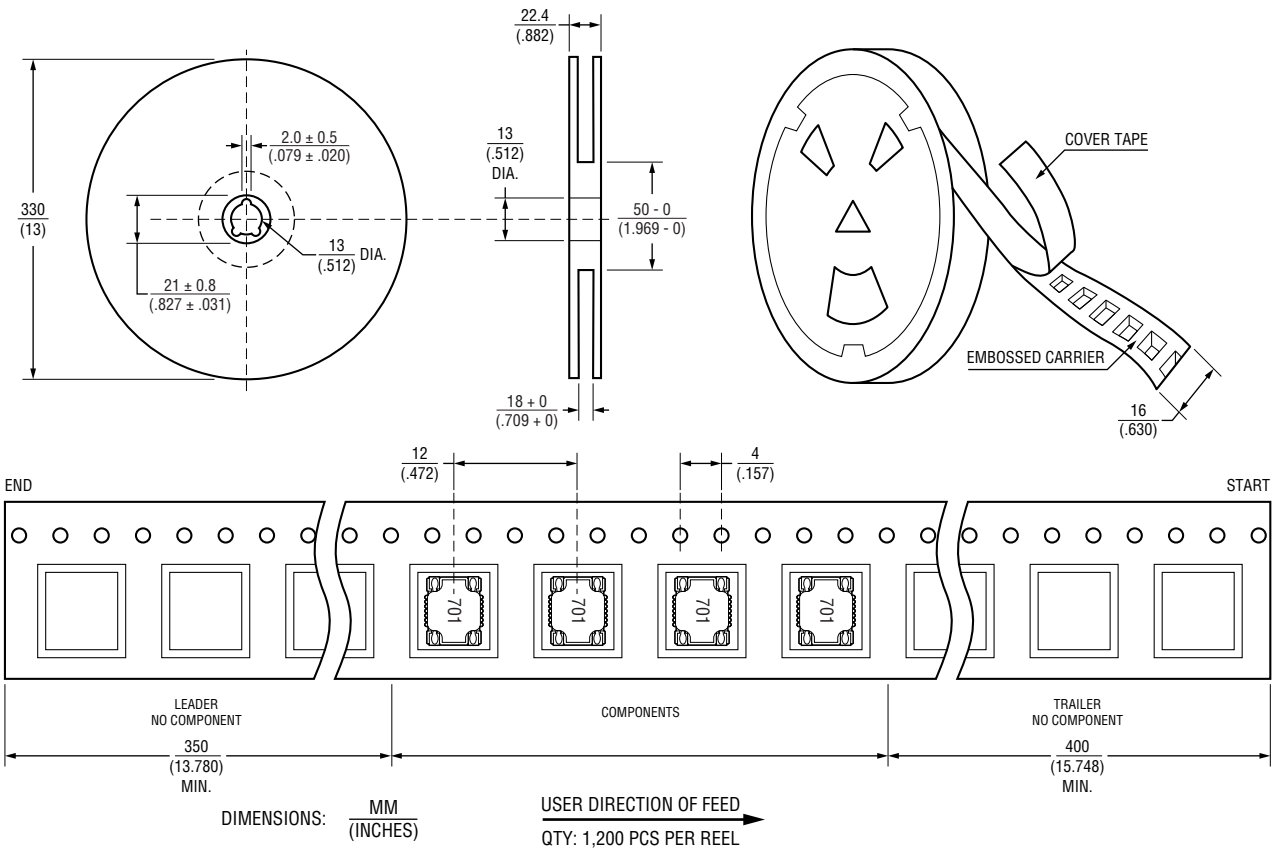


Temperature Rise Plots (Continued)

SRF7035A-302Y



Packaging Specifications



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