



Features

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

Applications

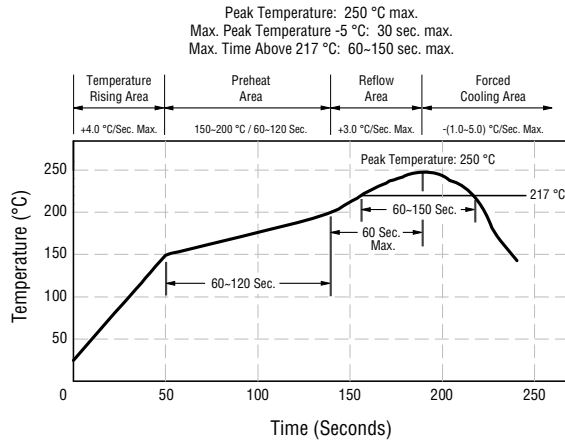
- EMI suppression – DC power line
- Noise filters – DC power line

SRF7035A Series - Common Mode Chokes

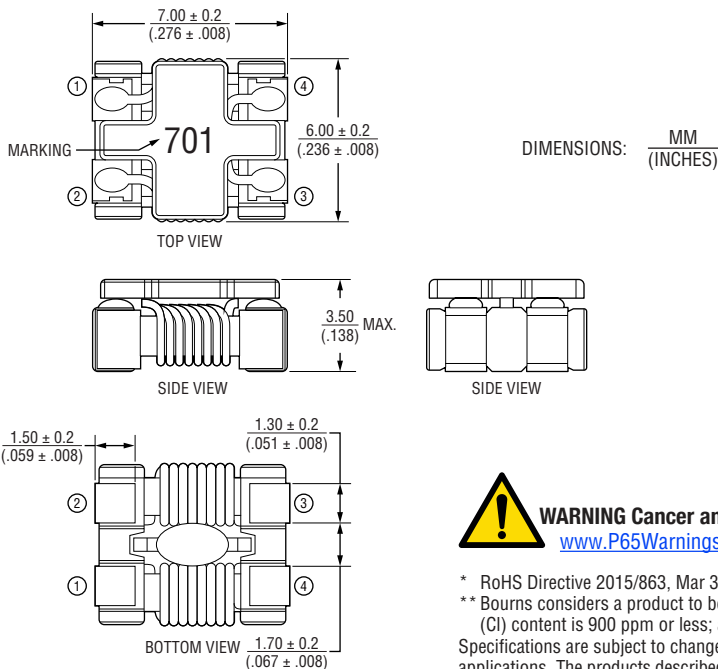
Electrical Specifications at 25 °C

| 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:



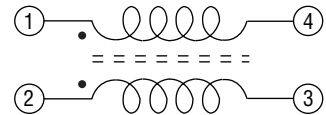
General Specifications

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

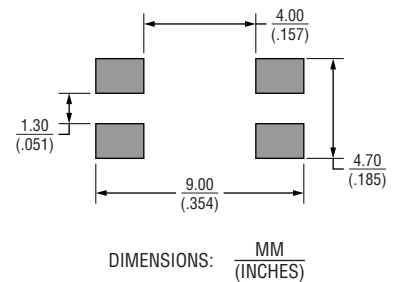
Materials

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

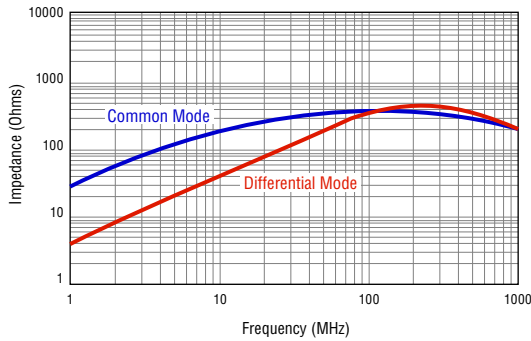
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** 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.

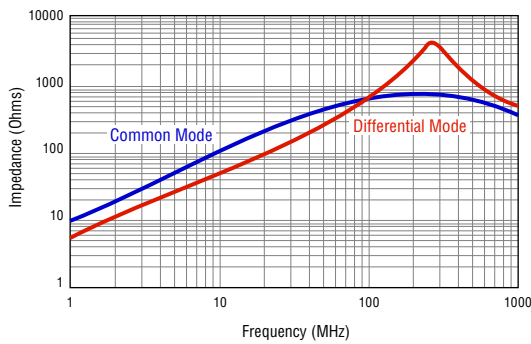
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Typical Impedance vs. Frequency Curves

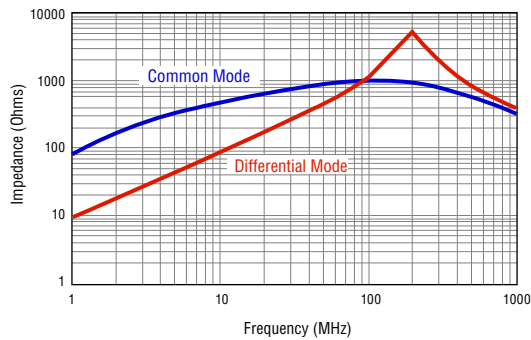
SRF7035A-301Y



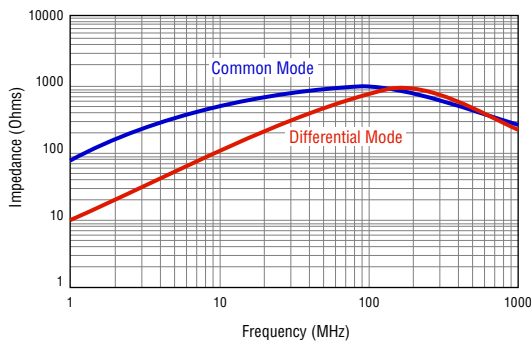
SRF7035A-701Y



SRF7035A-102Y

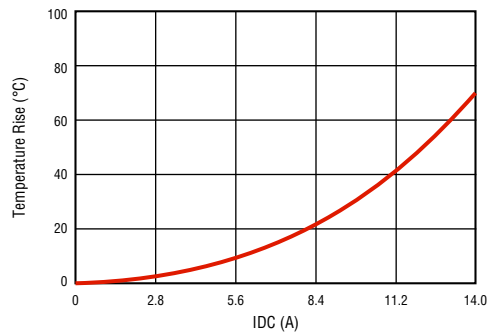


SRF7035A-132Y

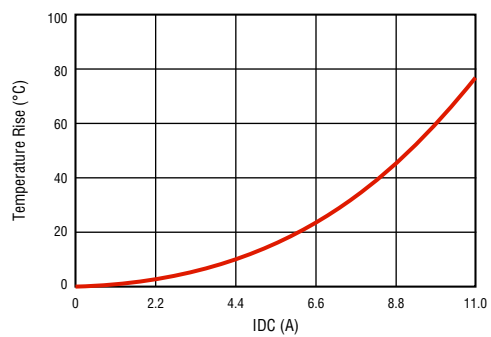


Temperature Rise Plots

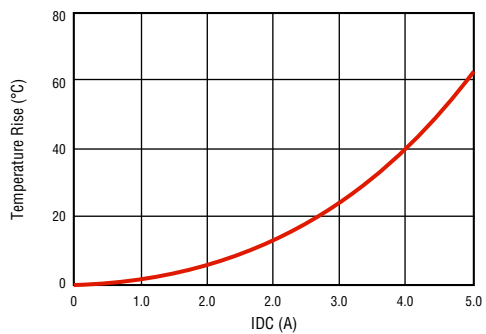
SRF7035A-301Y



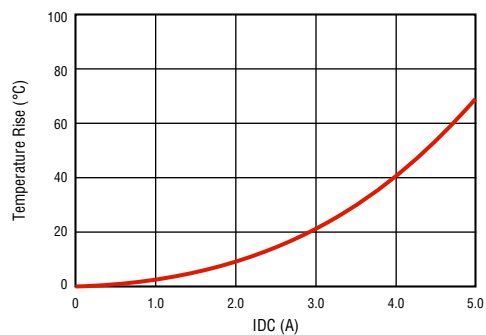
SRF7035A-701Y



SRF7035A-102Y



SRF7035A-132Y



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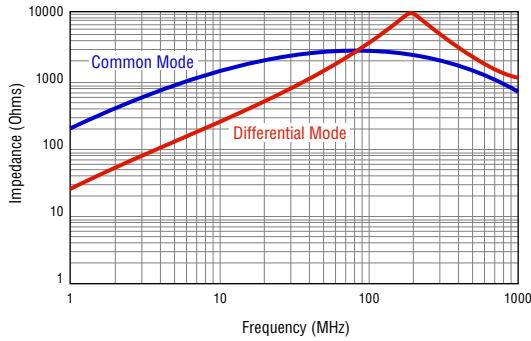
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SRF7035A Series - Common Mode Chokes

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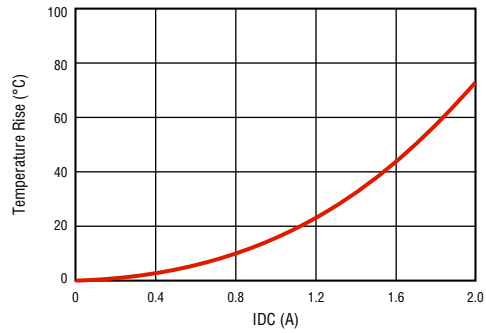
Typical Impedance vs. Frequency Curves (Continued)

SRF7035A-302Y

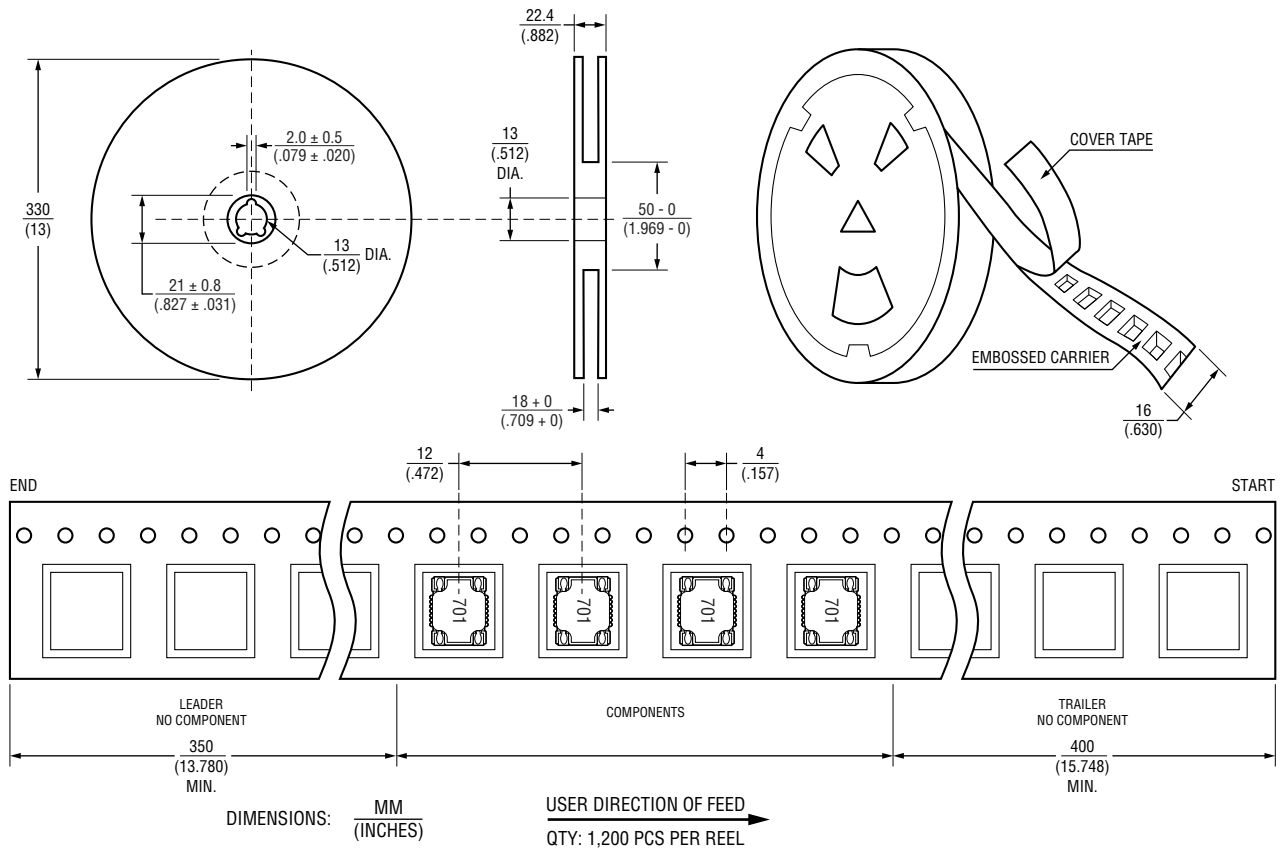


Temperature Rise Plots (Continued)

SRF7035A-302Y



Packaging Specifications



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