



## Features

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

## Applications

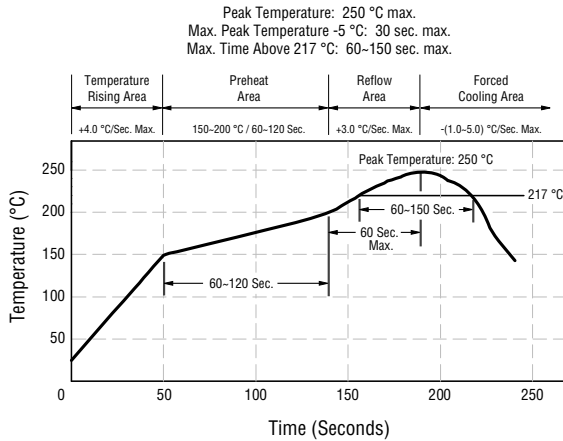
- EMI suppression – DC power line
- Noise filters – DC power line

# SRF7035A Series - Common Mode Chokes

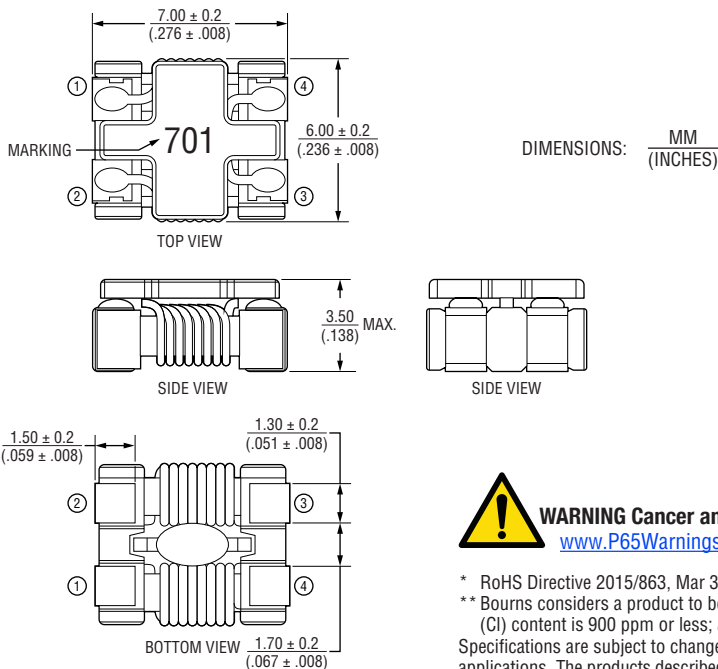
### Electrical Specifications at 25 °C

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:



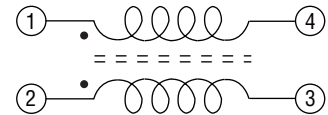
### General Specifications

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

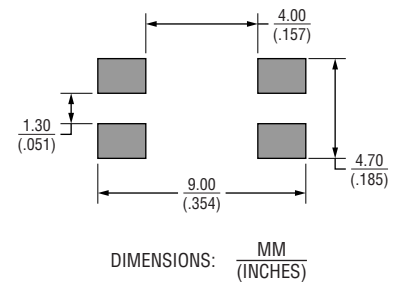
### Materials

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

### Electrical Schematic



### Recommended Layout

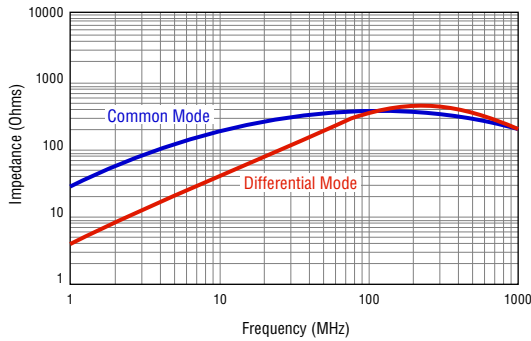


**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

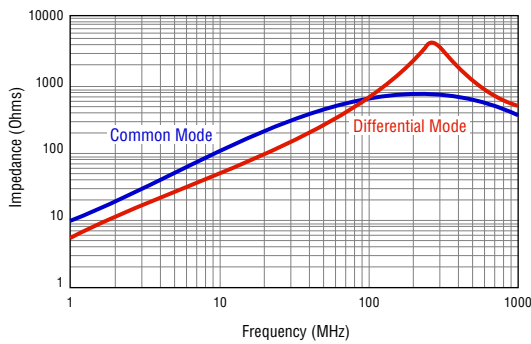
\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 \*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.  
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##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

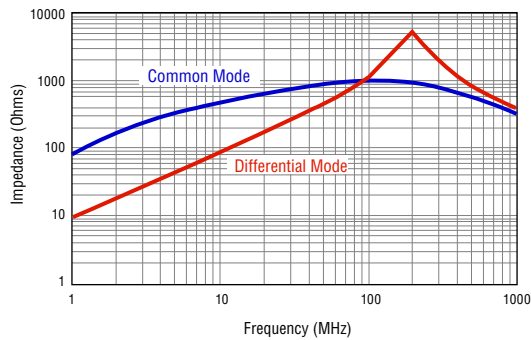
**SRF7035A-301Y**



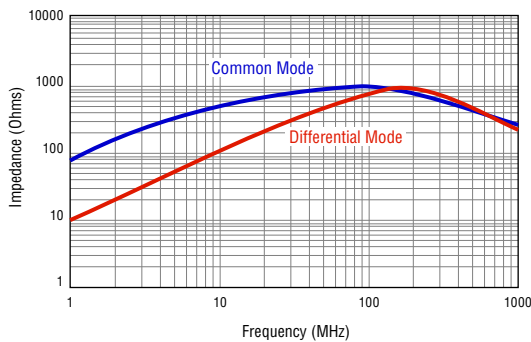
**SRF7035A-701Y**



**SRF7035A-102Y**

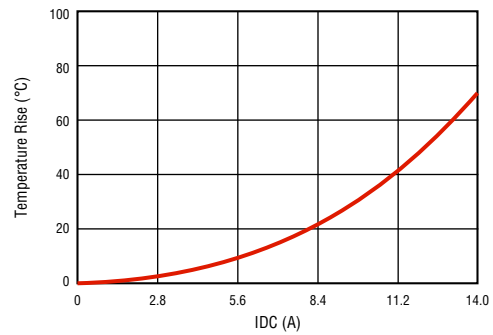


**SRF7035A-132Y**

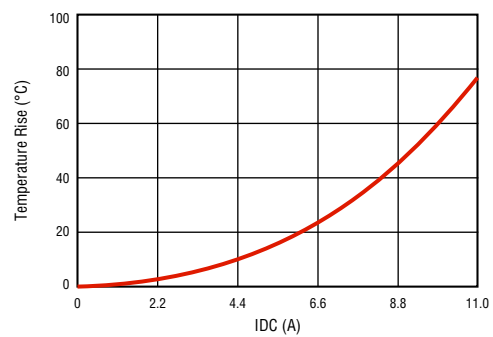


## Temperature Rise Plots

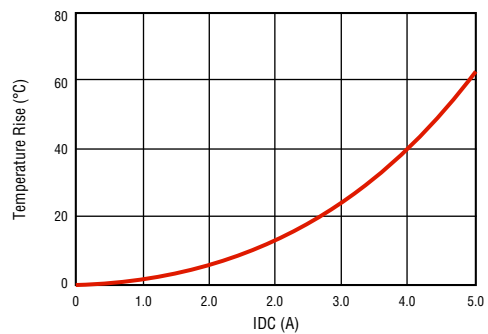
**SRF7035A-301Y**



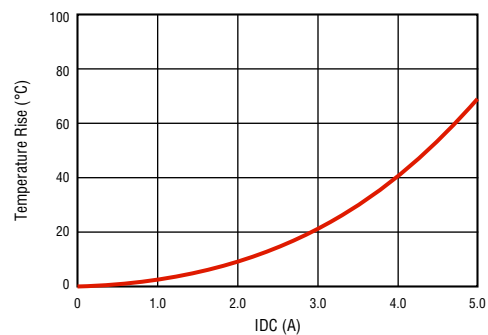
**SRF7035A-701Y**



**SRF7035A-102Y**



**SRF7035A-132Y**



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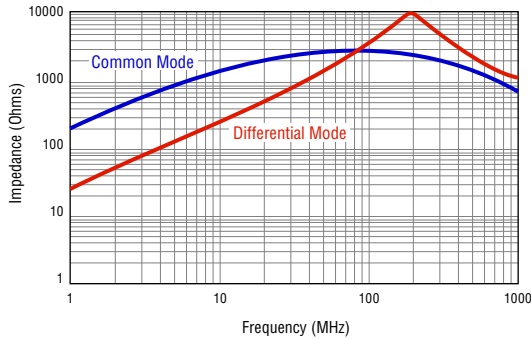
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# SRF7035A Series - Common Mode Chokes

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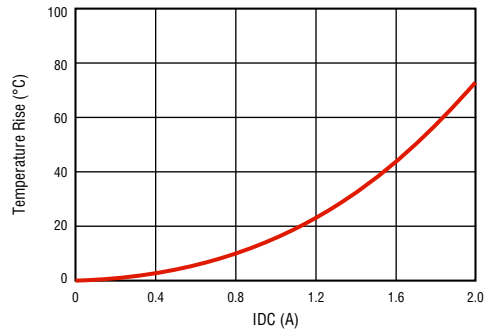
## Typical Impedance vs. Frequency Curves (Continued)

SRF7035A-302Y

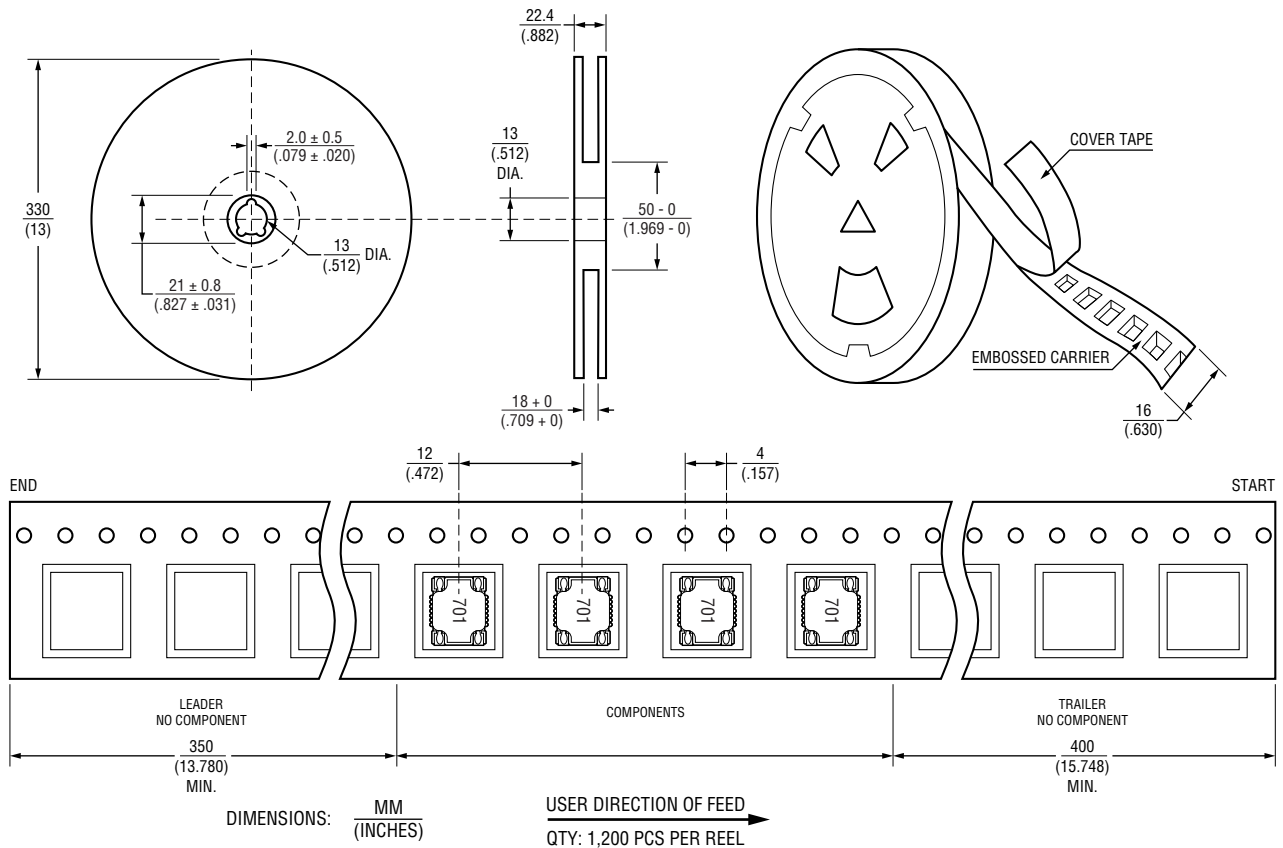


## Temperature Rise Plots (Continued)

SRF7035A-302Y



## Packaging Specifications



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