

## Features

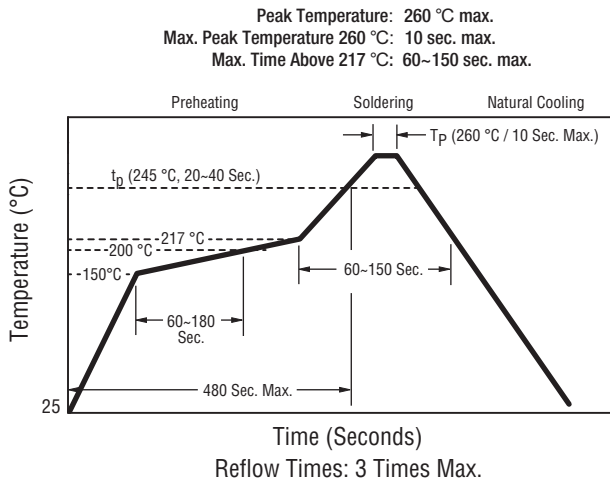
- Shielded construction – low radiation
- Bifilar wound
- Impedance range: 90 to 2200 ohms @ 100 MHz
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

## SRF3216A Series - Common Mode Chip Inductors

### Electrical Specifications @ 25 °C

Bourns Part Number	Impedance @ 100 MHz / 1 V		DCR Typ. (Ω)	DCR Max. (Ω)	I <sub>rms</sub> (mA)
	Z (Ω)	Tolerance (%)			
SRF3216A-900Y	90	± 25	0.15	0.3	400
SRF3216A-121Y	120	± 25	0.17	0.3	350
SRF3216A-161Y	160	± 25	0.18	0.4	350
SRF3216A-221Y	220	± 25	0.25	0.45	300
SRF3216A-261Y	260	± 25	0.35	0.5	300
SRF3216A-361Y	360	± 25	0.45	0.6	300
SRF3216A-601Y	600	± 25	0.60	0.8	300
SRF3216A-102Y	1000	± 25	0.65	1.0	230
SRF3216A-222Y	2200	± 25	1.10	1.2	200

### Soldering Profile

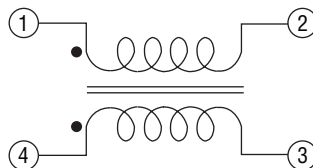


### How to Order

**SRF3216A - 221 Y**

Model \_\_\_\_\_  
 Value Code (see table) \_\_\_\_\_  
 Tolerance Code \_\_\_\_\_

### Schematic



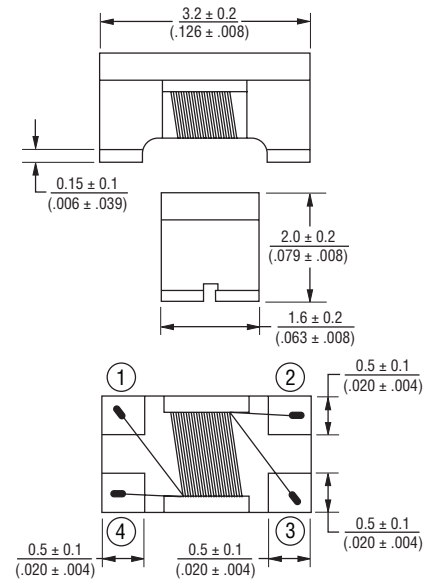
### General Specifications

Rated Voltage ..... 100 VDC  
 Withstanding Voltage ..... 250 VDC  
 Insulation Resistance ..... 10 megohms min. @ 100 VDC  
 Operating Temperature ..... -55 °C to +125 °C  
 (Temperature rise included)  
 Storage Temperature ..... -55 °C to +125 °C  
 Temperature Rise ..... 20 °C at rated I<sub>rms</sub>

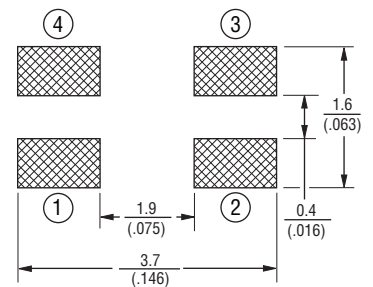
### Materials

Core ..... Ferrite  
 Wire ..... Enameled copper  
 Terminal Finish ..... Sn  
 Packaging ..... 2000 pcs. per 7-inch reel

### Product Dimensions



### Recommended Layout



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$



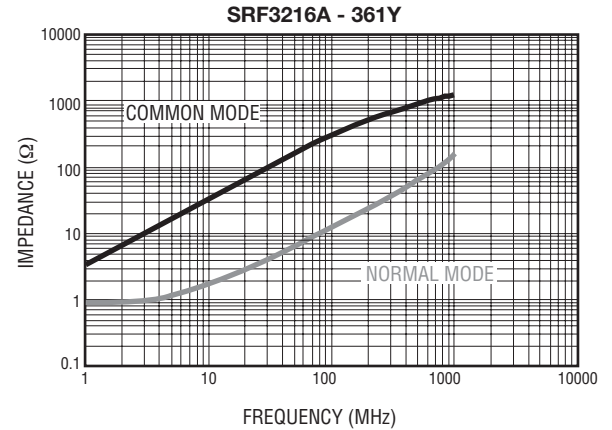
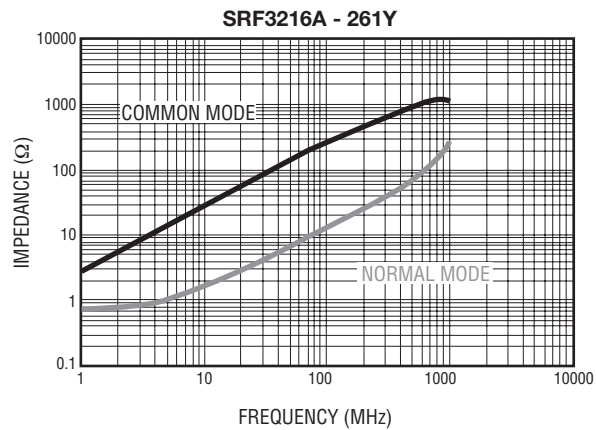
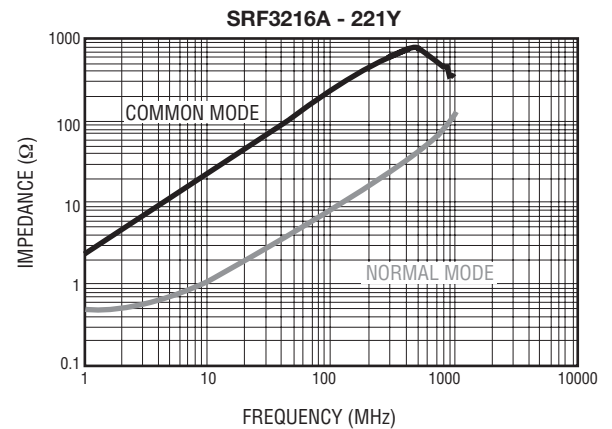
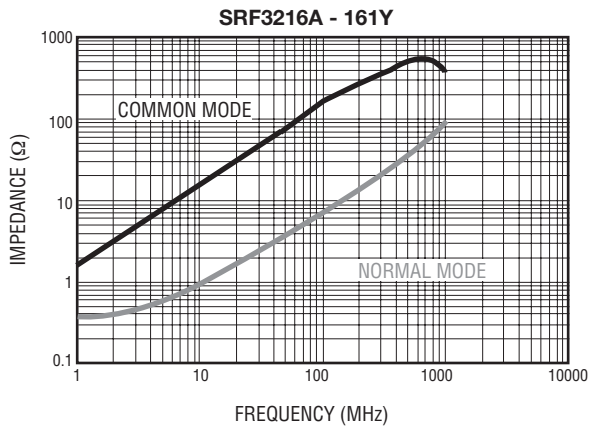
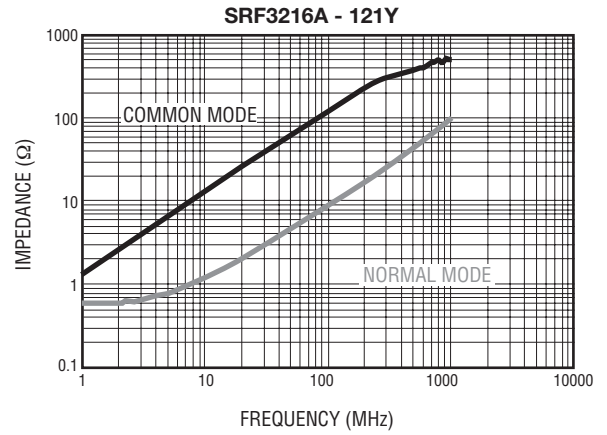
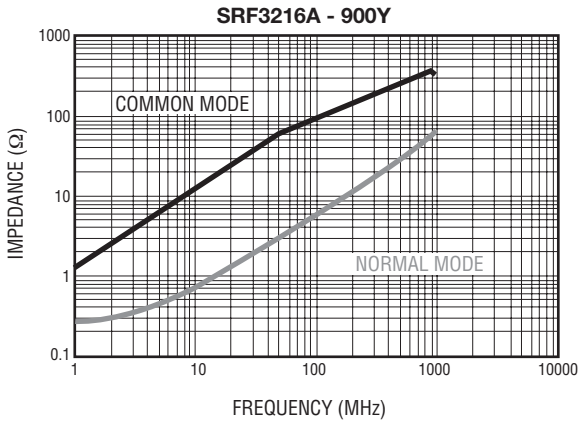
**WARNING Cancer and Reproductive Harm** [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

\* 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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# SRF3216A Series - Common Mode Chip Inductors



## Typical Impedance vs. Frequency Curves



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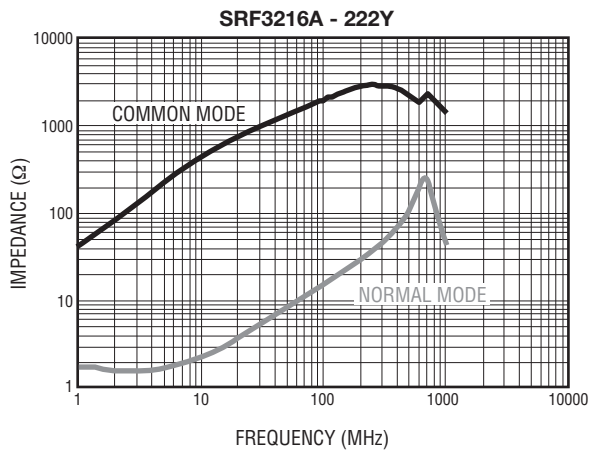
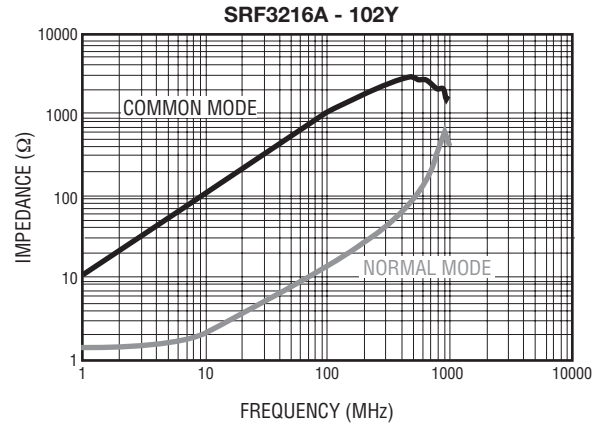
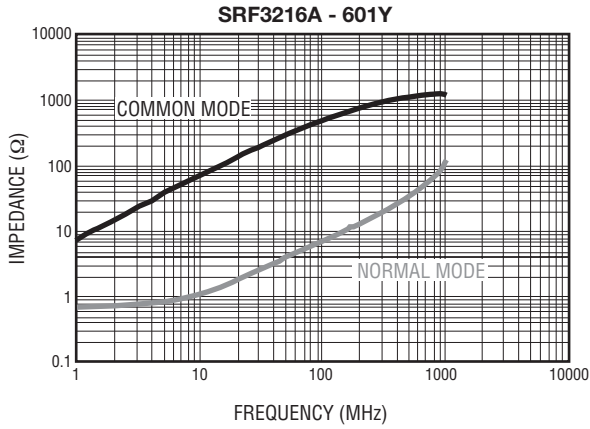
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# SRF3216A Series - Common Mode Chip Inductors

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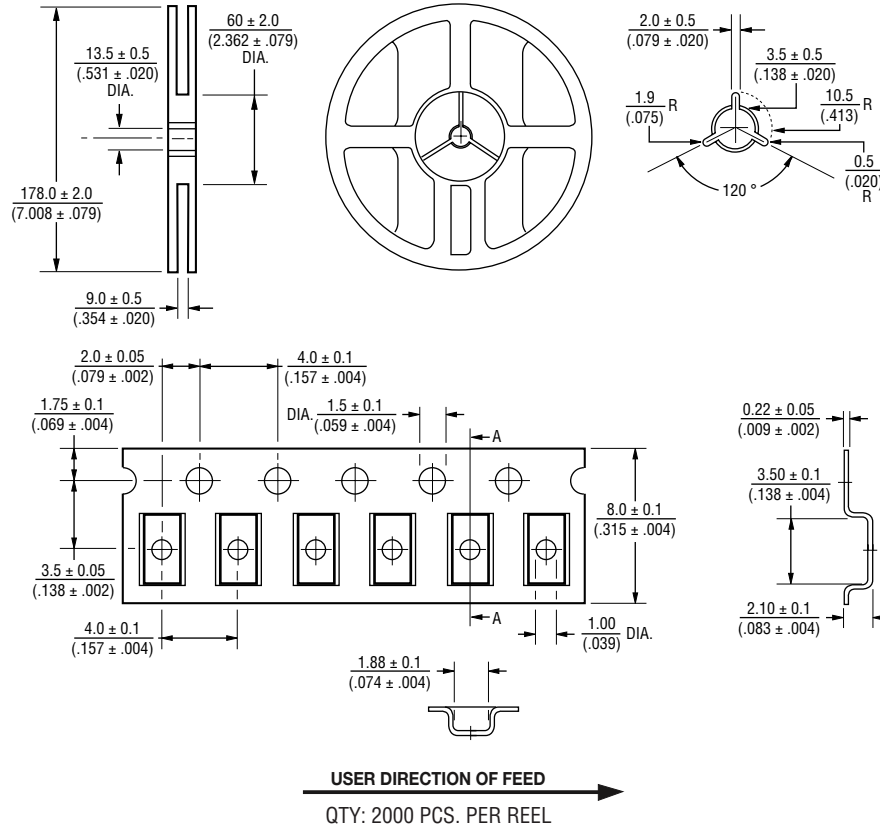
## Typical Impedance vs. Frequency Curves (Continued)



# SRF3216A Series - Common Mode Chip Inductors

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## Packaging Specifications



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