

Features

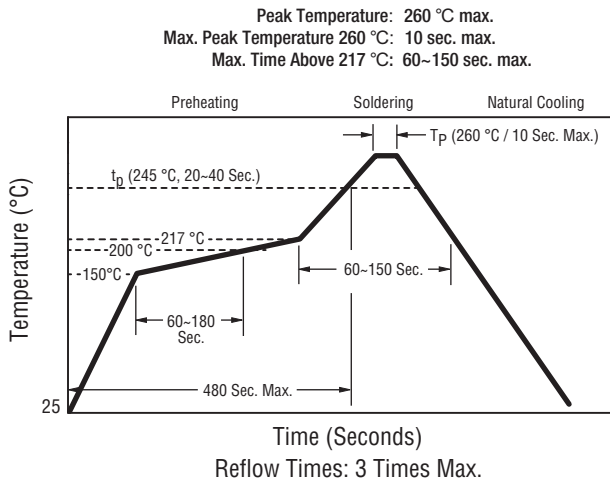
- Shielded construction – low radiation
- Bifilar wound
- Impedance range: 90 to 2200 ohms @ 100 MHz
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

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 _{rms} (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

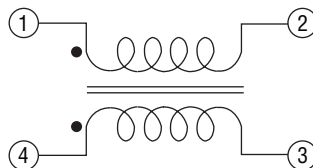


How to Order

SRF3216A - 221 Y

Model _____
 Value Code (see table) _____
 Tolerance Code _____

Schematic



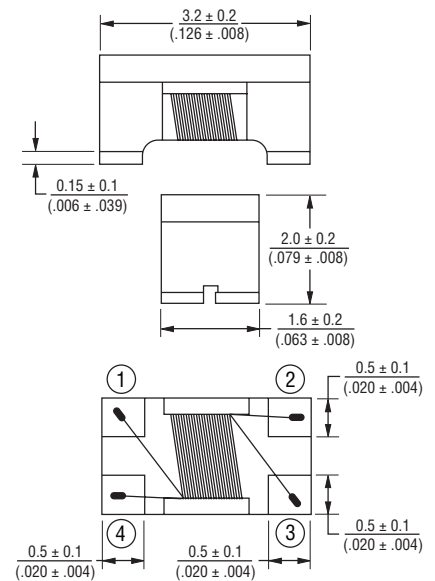
General Specifications

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_{rms}

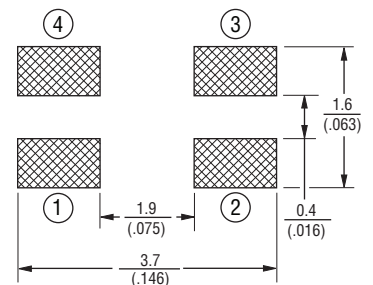
Materials

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

Product Dimensions



Recommended Layout



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



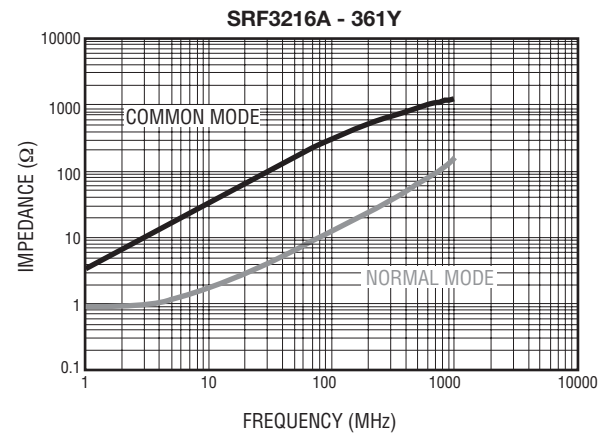
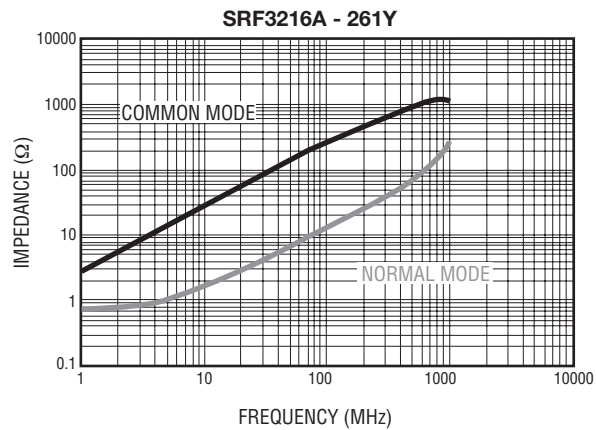
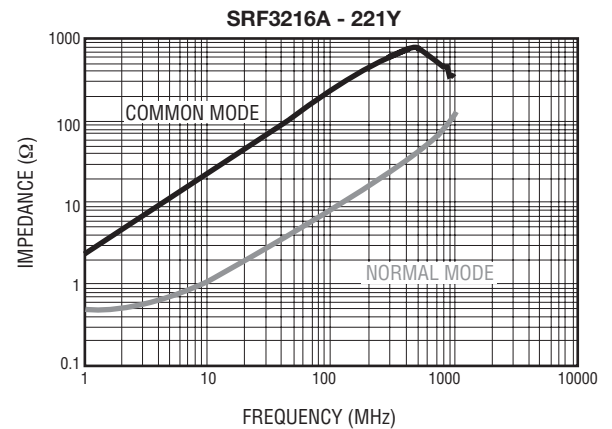
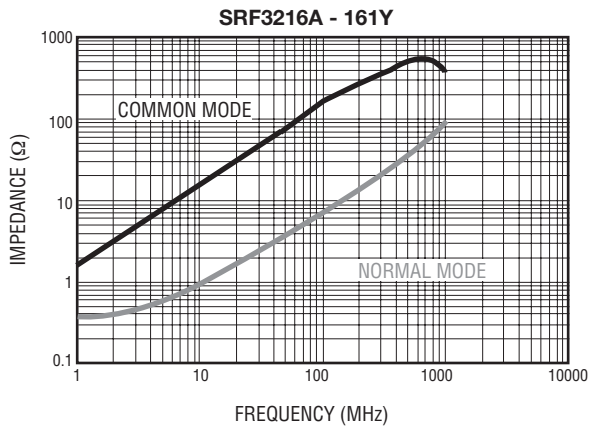
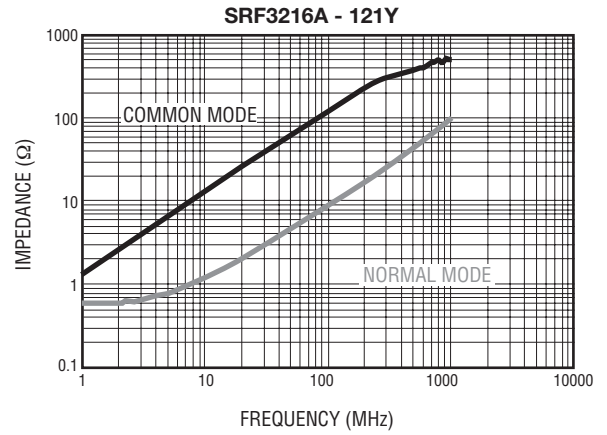
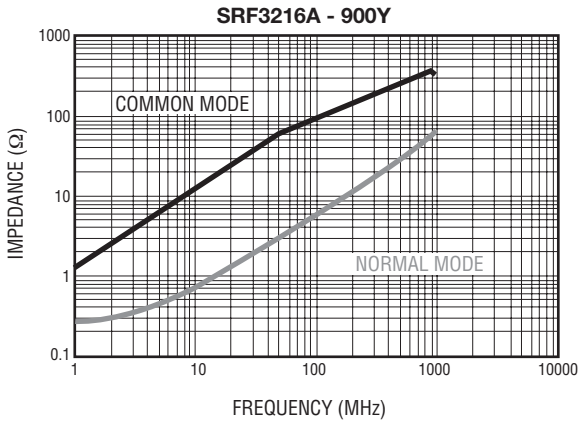
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

* 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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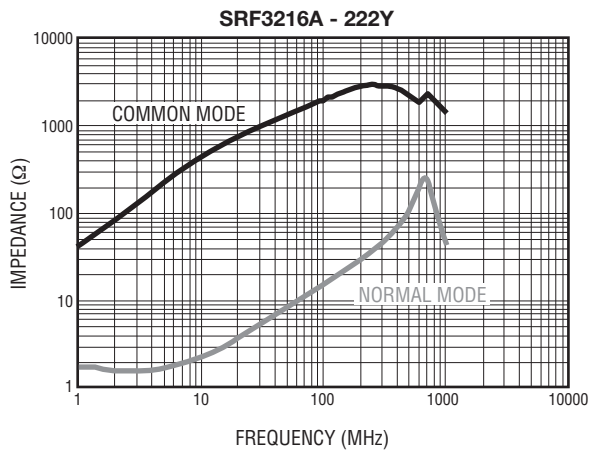
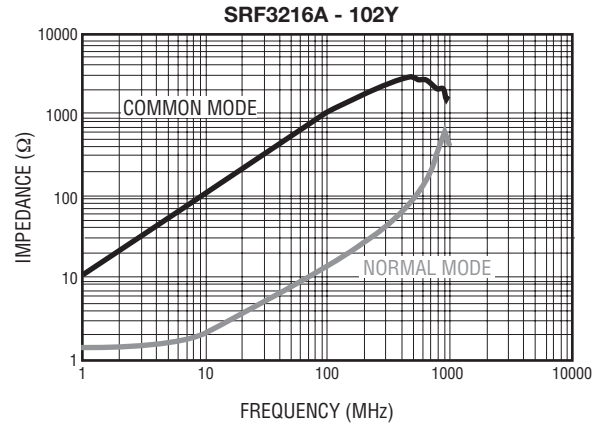
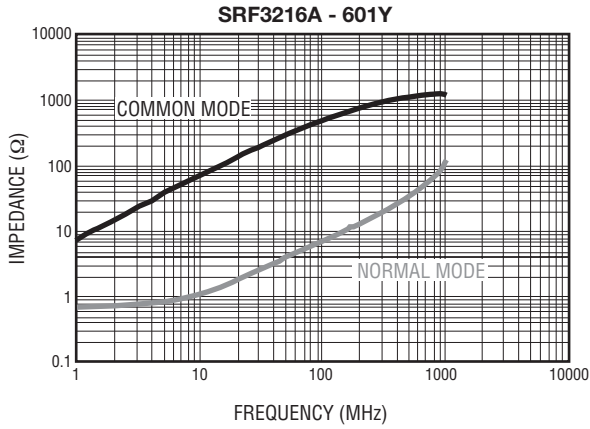
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SRF3216A Series - Common Mode Chip Inductors

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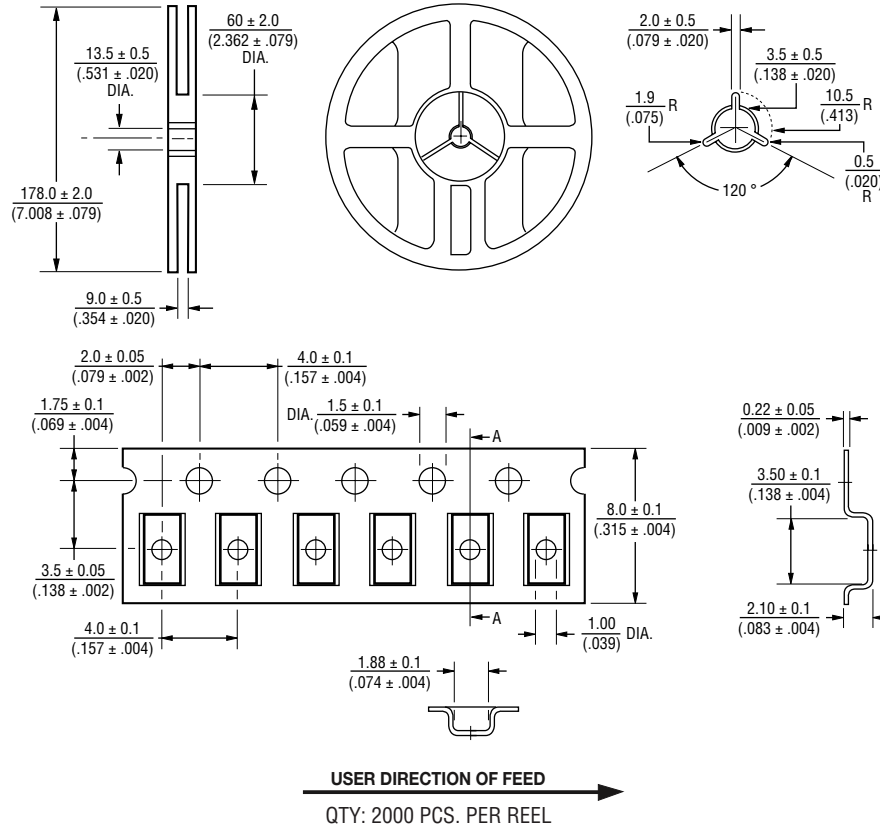
Typical Impedance vs. Frequency Curves (Continued)



SRF3216A Series - Common Mode Chip Inductors

BOURNS®

Packaging Specifications



BOURNS®

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REV. 02/20

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