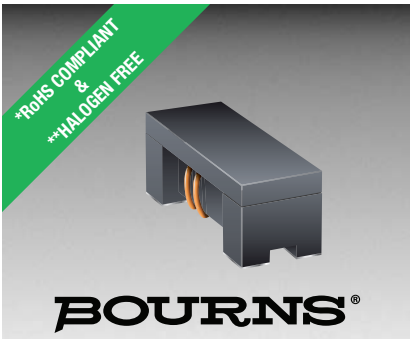




**THE DATASHEET OF
SRF2012-501YA**





Features

- High impedance value
- Current rating up to 400 mA
- RoHS compliant* and halogen free**

Applications

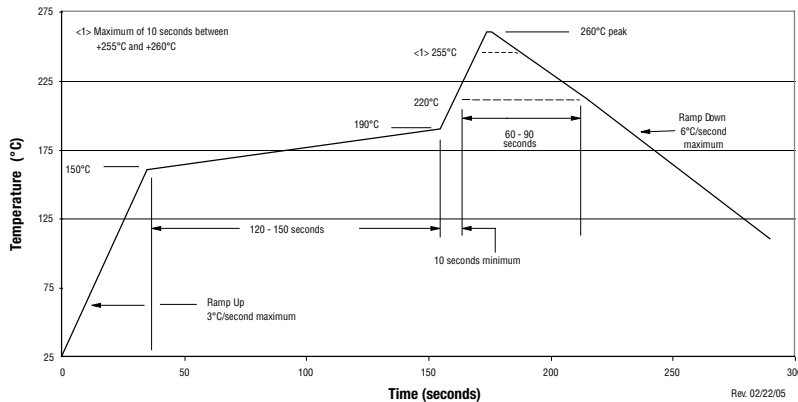
- Noise suppression
- Personal computers
- Display panels

SRF2012A Series - Common Mode Chip Inductors

Electrical Specifications

| Part Number | Impedance @ 100 MHz | | Insulation Resistance (MΩ) Min. | DCR Max. (Ω) | IDC Max. (mA) |
|---------------|---------------------|---------------|---------------------------------|--------------|---------------|
| | (Ω) | Tolerance (%) | | | |
| SRF2012-300YA | 30 | ±25 | 10 | 0.20 | 400 |
| SRF2012-670YA | 67 | ±25 | 10 | 0.25 | 400 |
| SRF2012-900YA | 90 | ±25 | 10 | 0.30 | 400 |
| SRF2012-121YA | 120 | ±25 | 10 | 0.30 | 400 |
| SRF2012-161YA | 160 | ±25 | 10 | 0.35 | 350 |
| SRF2012-181YA | 180 | ±25 | 10 | 0.35 | 350 |
| SRF2012-201YA | 200 | ±25 | 10 | 0.40 | 300 |
| SRF2012-221YA | 220 | ±25 | 10 | 0.40 | 300 |
| SRF2012-261YA | 260 | ±25 | 10 | 0.40 | 300 |
| SRF2012-301YA | 300 | ±25 | 10 | 0.50 | 300 |
| SRF2012-361YA | 360 | ±25 | 10 | 0.50 | 300 |
| SRF2012-371YA | 370 | ±25 | 10 | 0.50 | 300 |
| SRF2012-501YA | 500 | ±25 | 10 | 0.50 | 300 |
| SRF2012-671YA | 670 | ±25 | 10 | 0.60 | 140 |
| SRF2012-901YA | 900 | ±25 | 10 | 0.88 | 100 |

Soldering Profile



How to Order

SRF2012 - 201 Y A

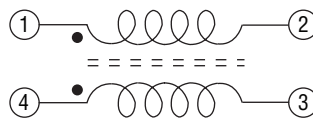
Model _____

Value Code (see table) _____

Tolerance Code _____

Model Suffix _____

Schematic



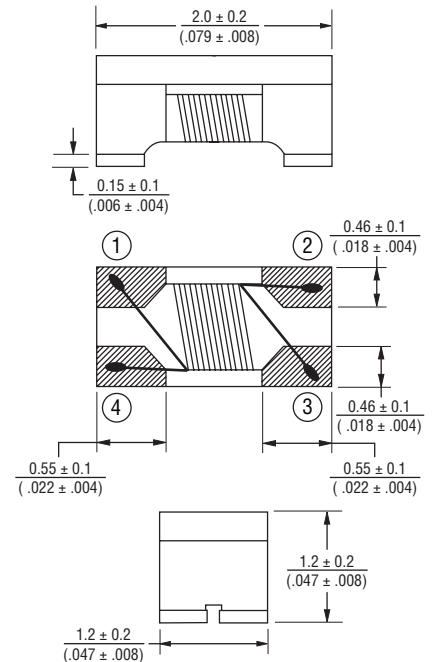
General Specifications

Rated Voltage 100 VDC
 Withstanding Voltage 250 VDC, 3 Sec.
 Operating Temperature -55 °C to +125 °C
 (Temperature rise included)
 Storage Temperature -55 °C to +125 °C
 Temperature Rise 20 °C max. at IDC

Materials

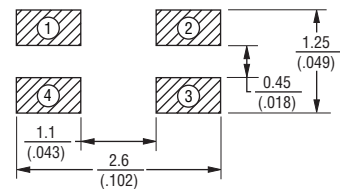
Core Ferrite
 Wire Enameled copper
 Terminal Ag/Ni/Sn
 Packaging 2000 pcs. per 7-inch reel

Product Dimensions



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

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.

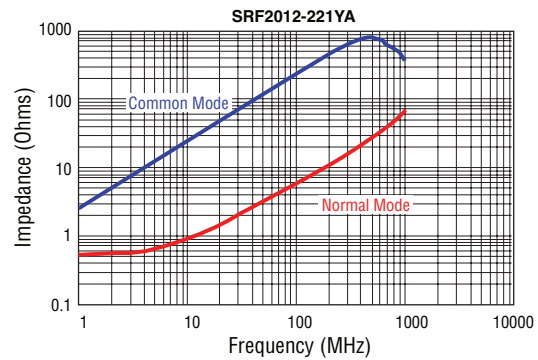
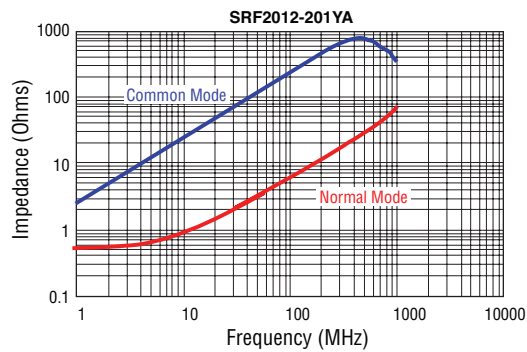
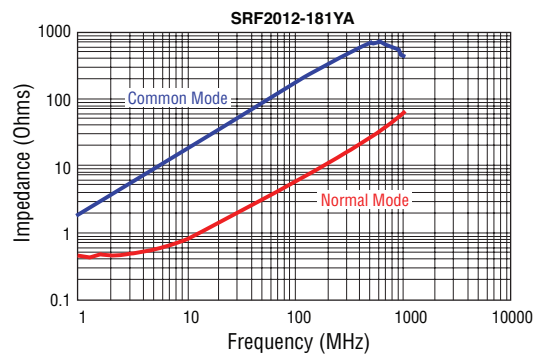
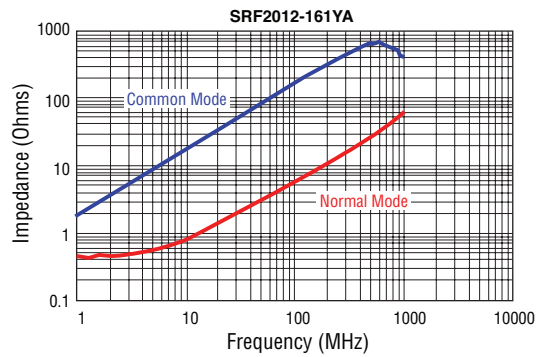
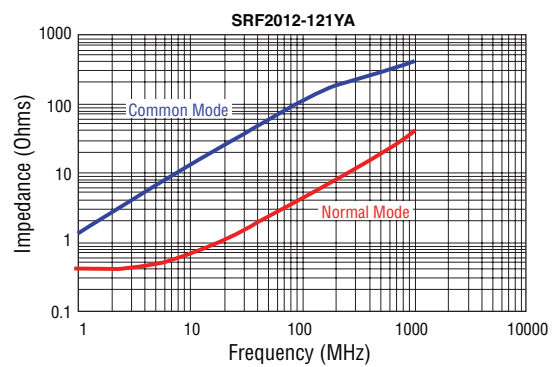
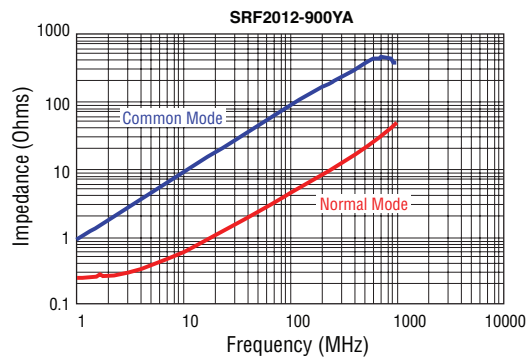
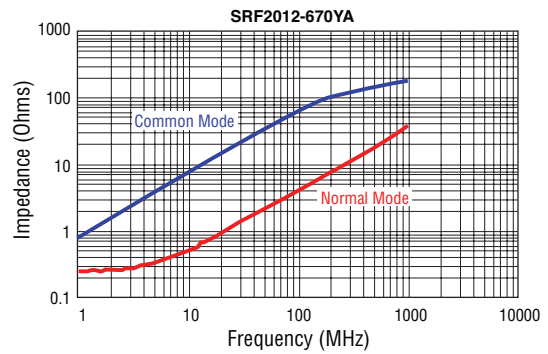
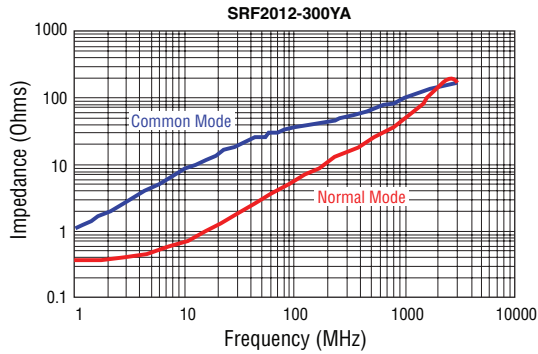
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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Typical Impedance vs. Frequency Curves



Specifications are subject to change without notice.

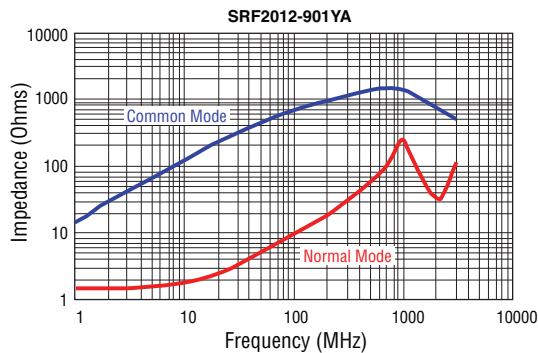
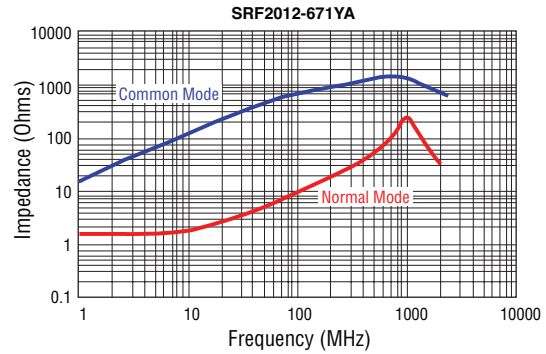
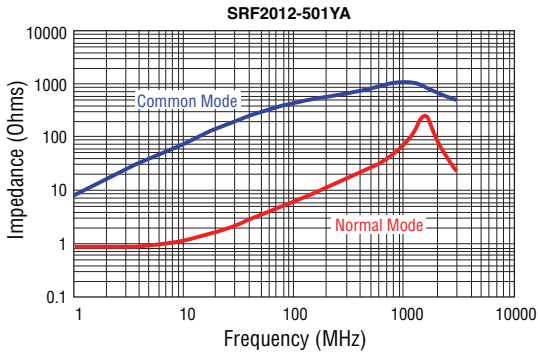
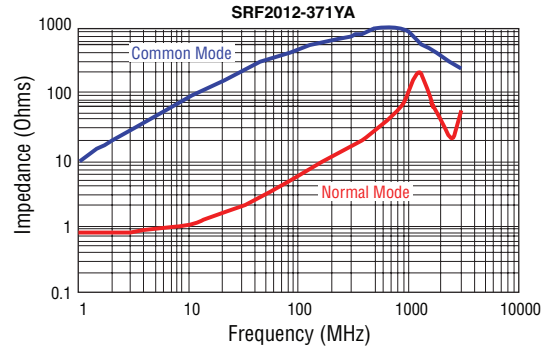
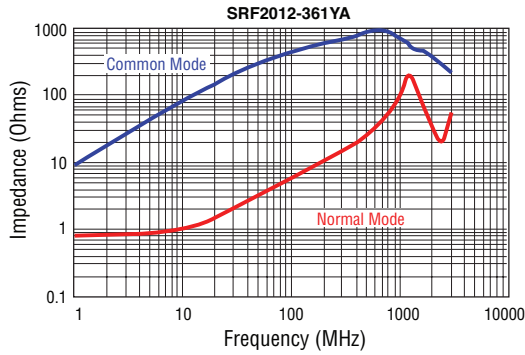
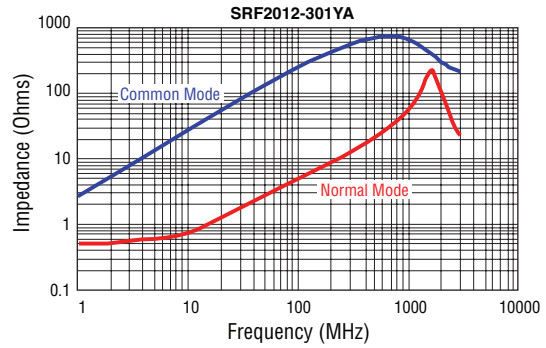
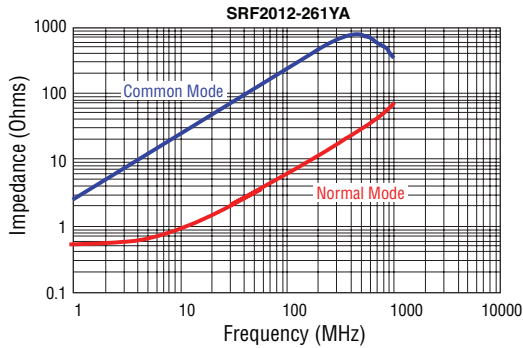
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Typical Impedance vs. Frequency Curves (Continued)



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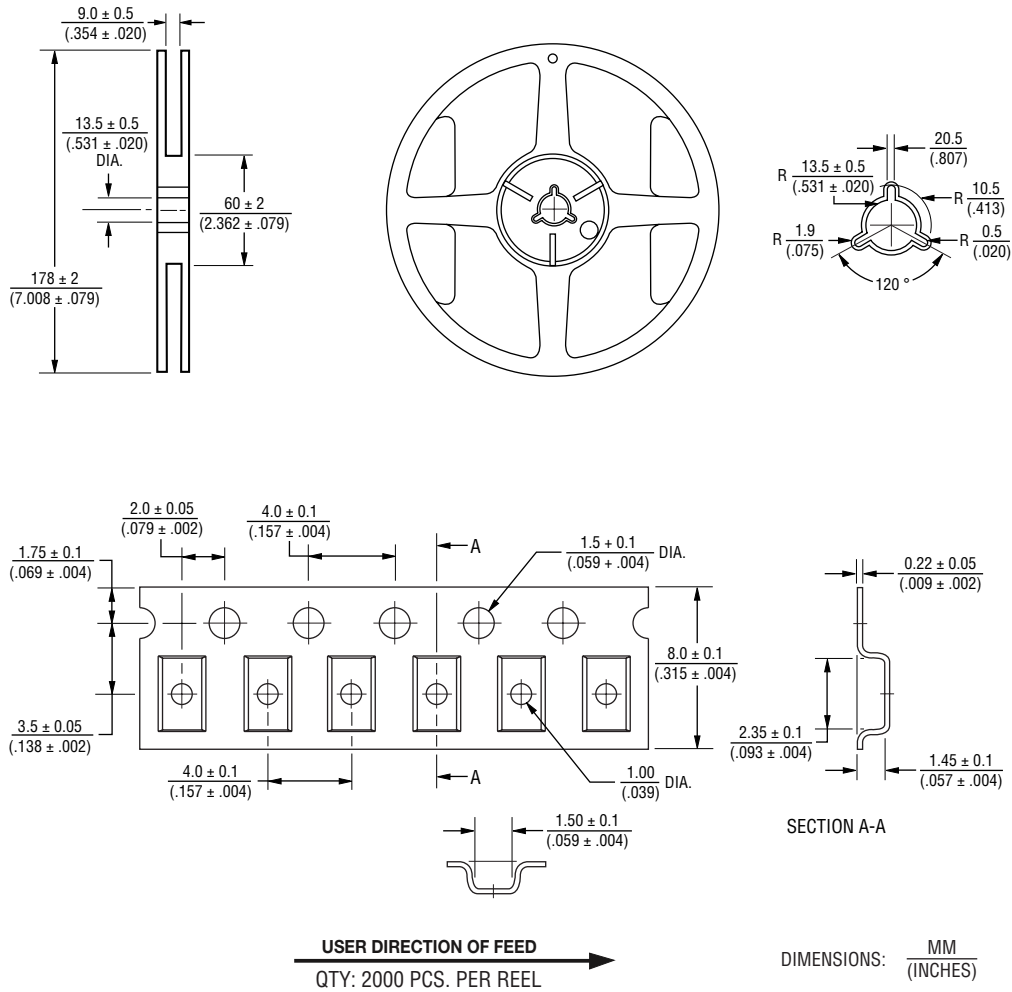
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