

Features

- Shielded construction – low radiation
- Bifilar wound
- Impedance range: 30 to 900 ohms @ 100 MHz
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Additional Information

Click these links for more information:

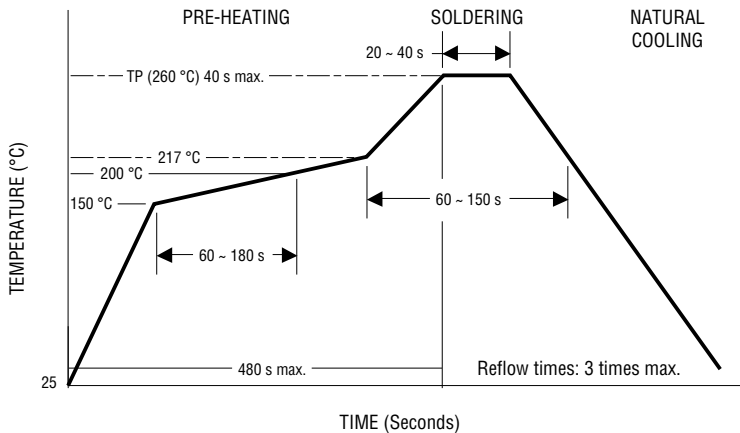


SRF2012AA Series - Common Mode Chip Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Impedance @ 100 MHz / 1 V		DCR Typ. (Ω)	DCR Max. (Ω)	I _{rms} (mA)
	Z (Ω)	Tolerance (%)			
SRF2012A-300YA	30	± 25	0.15	0.20	400
SRF2012A-670YA	67	± 25	0.15	0.25	400
SRF2012A-900YA	90	± 25	0.16	0.30	400
SRF2012A-121YA	120	± 25	0.20	0.30	400
SRF2012A-161YA	160	± 25	0.25	0.35	350
SRF2012A-181YA	180	± 25	0.25	0.35	350
SRF2012A-201YA	200	± 25	0.30	0.40	300
SRF2012A-221YA	220	± 25	0.30	0.40	300
SRF2012A-261YA	260	± 25	0.35	0.40	300
SRF2012A-301YA	300	± 25	0.40	0.50	300
SRF2012A-361YA	360	± 25	0.40	0.45	300
SRF2012A-371YA	370	± 25	0.40	0.45	300
SRF2012A-501YA	500	± 25	0.40	0.50	300
SRF2012A-671YA	670	± 25	0.45	0.60	140
SRF2012A-901YA	900	± 25	0.70	0.88	100

Soldering Profile

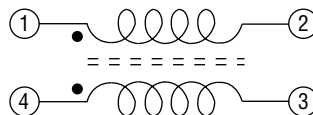


How to Order

SRF2012A - 201 Y A

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

Schematic



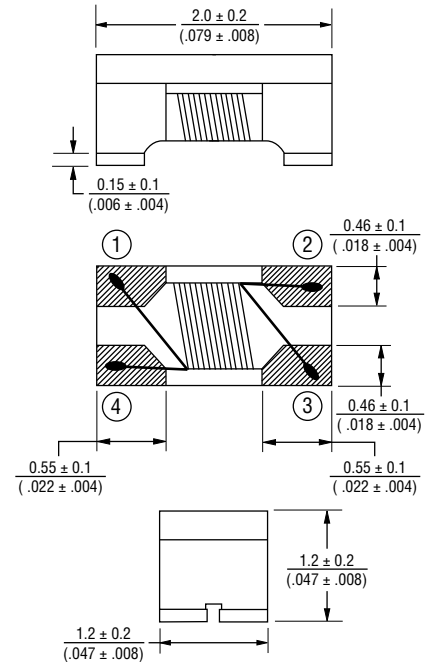
General Specifications

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}

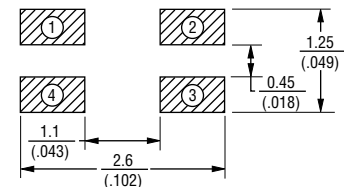
Materials

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

Product Dimensions



Recommended Layout



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



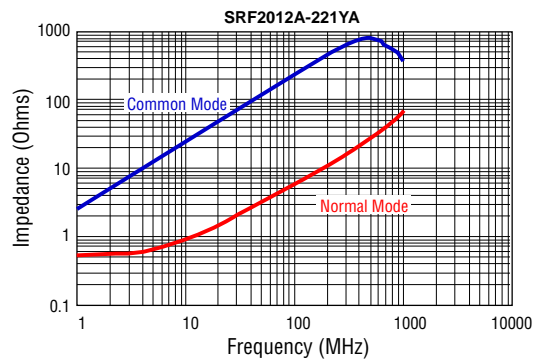
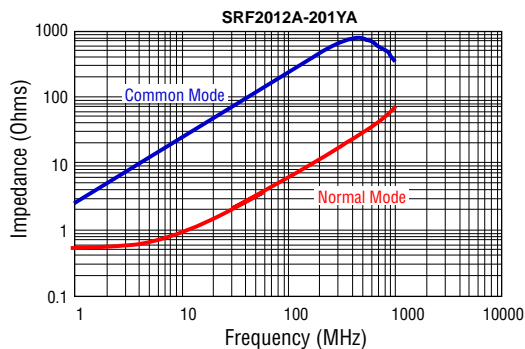
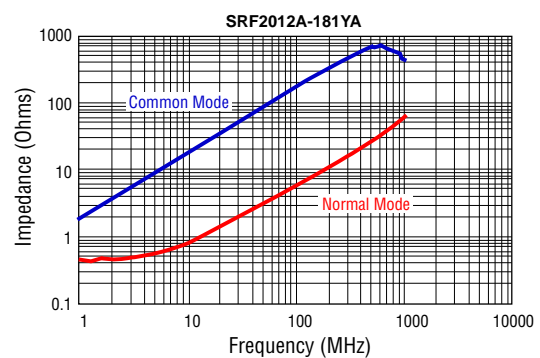
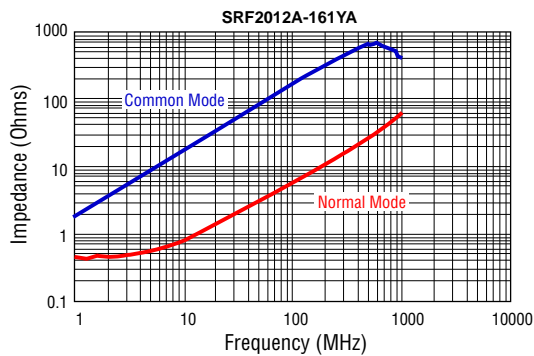
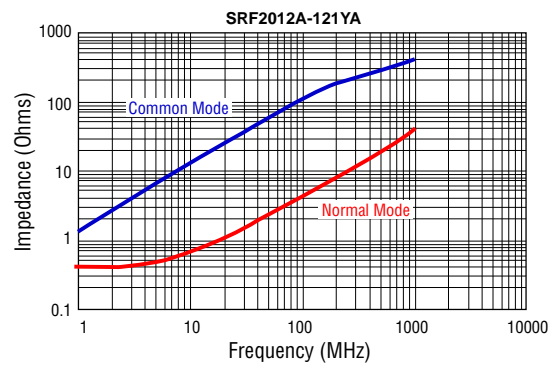
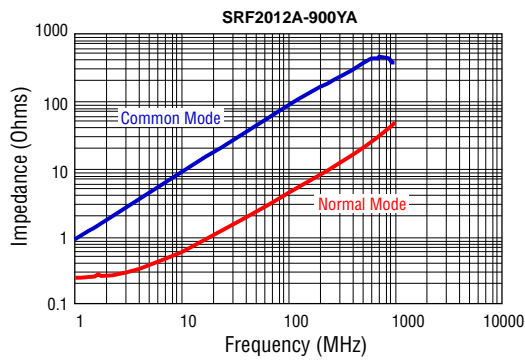
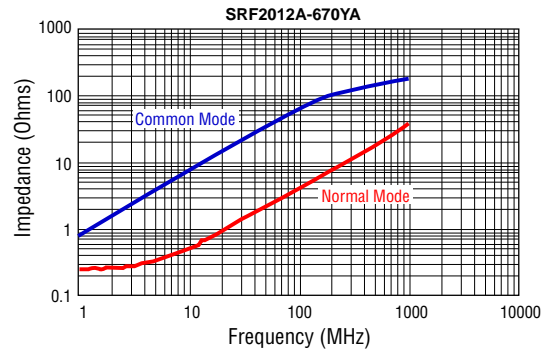
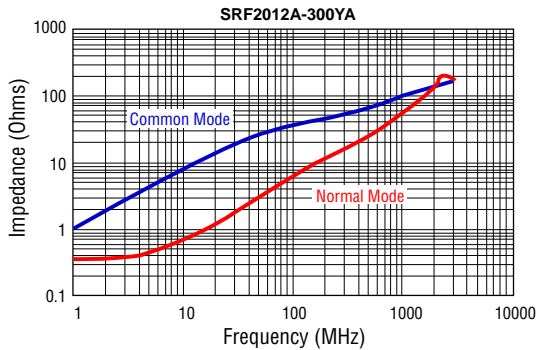
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

* 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. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

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Typical Impedance vs. Frequency Curves



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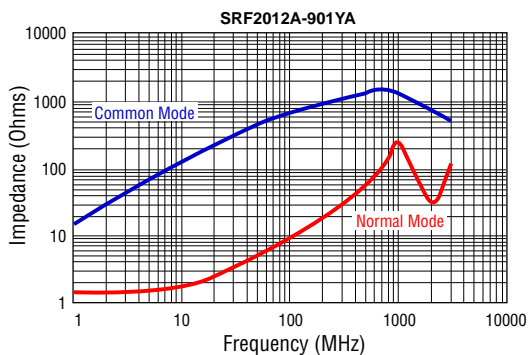
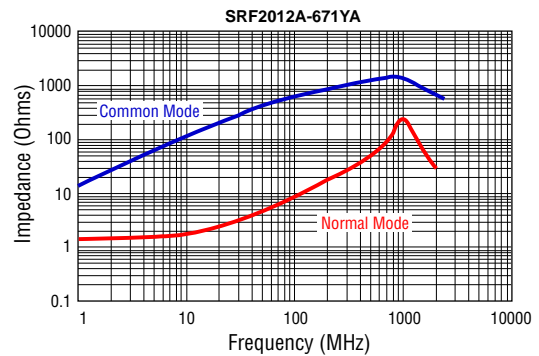
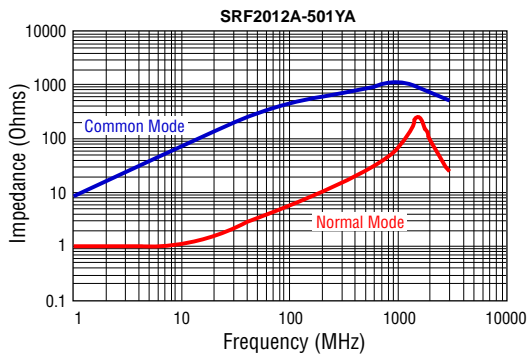
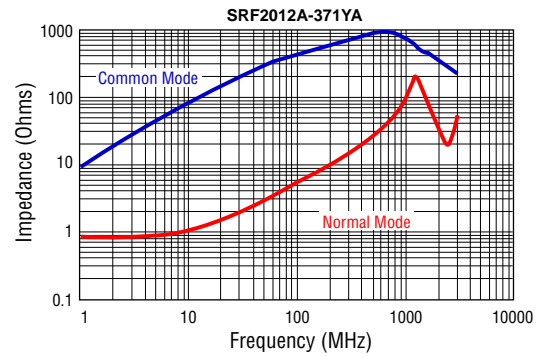
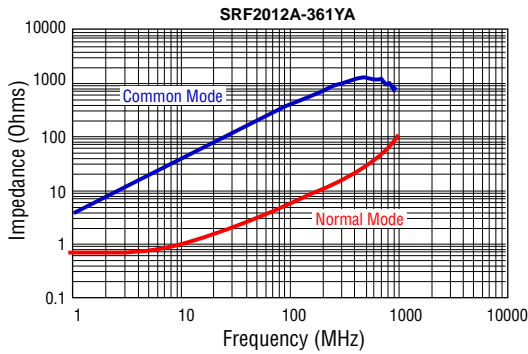
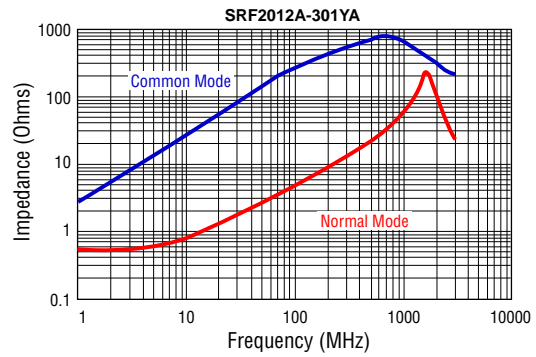
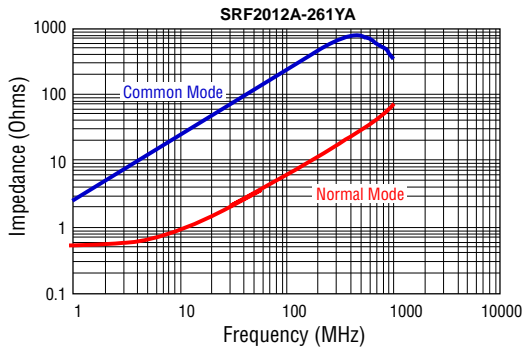
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Typical Impedance vs. Frequency Curves (Continued)



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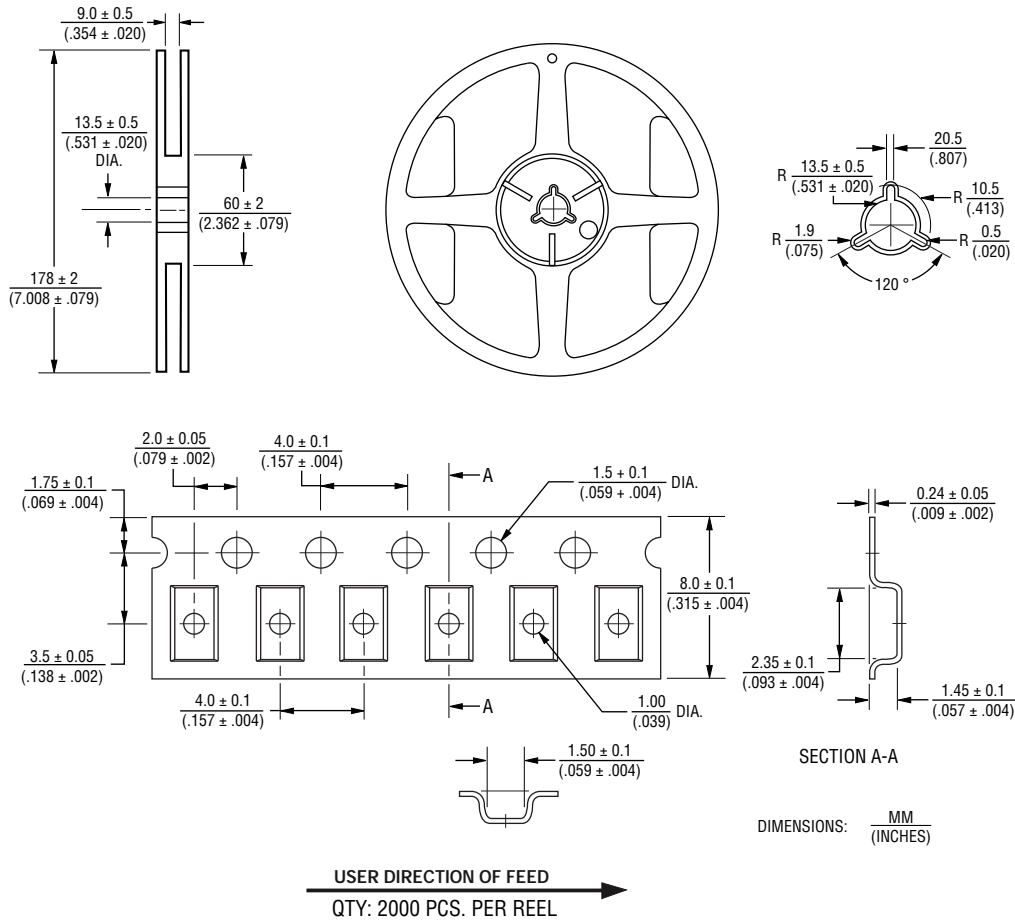
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BOURNS®

Packaging Specifications



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Asia: Tel: +886-2-2562-4117 • Email: asiacus@bourns.com

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