

Features

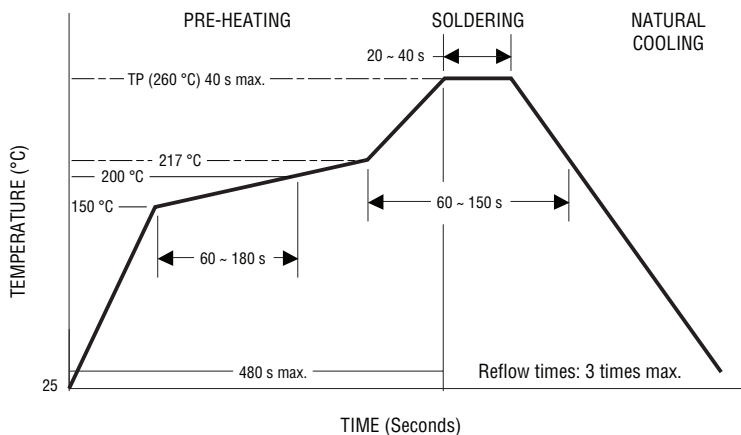
- Shielded construction – low radiation
- Bifilar wound
- Impedance range: 67 to 360 ohms @ 100 MHz
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

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-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-361YA	360	± 25	0.45	0.50	300

Soldering Profile

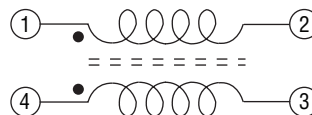


How to Order

SRF2012A - 201 Y A

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

Schematic



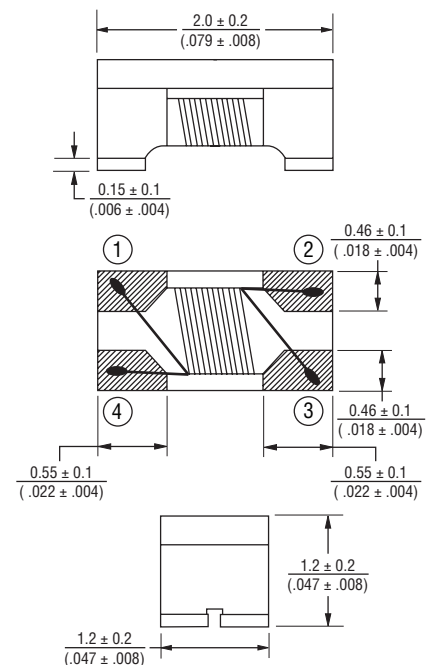
General Specifications

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}

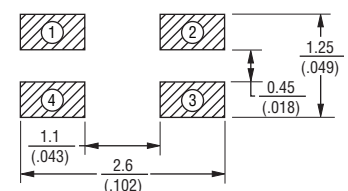
Materials

Core Ferrite
 Wire Enamelled 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.

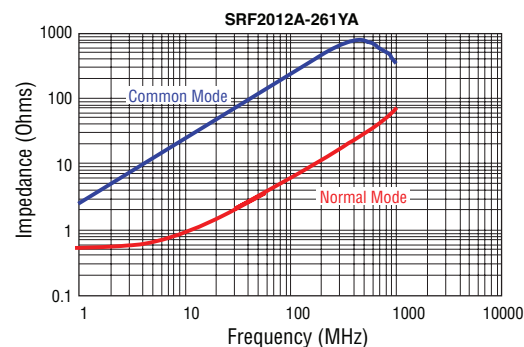
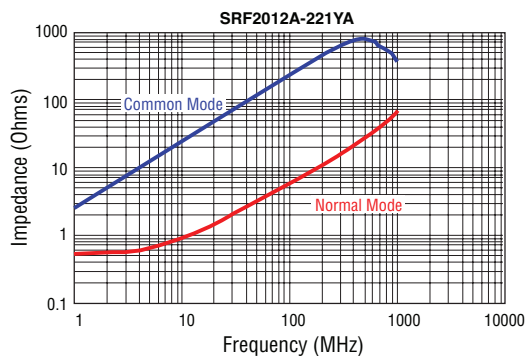
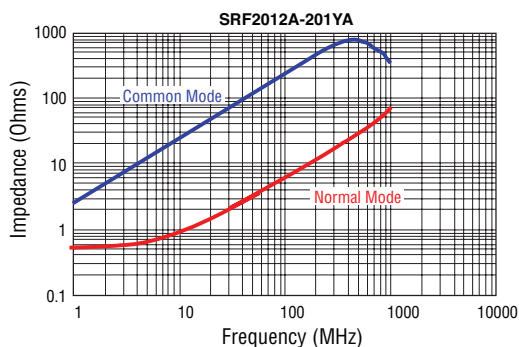
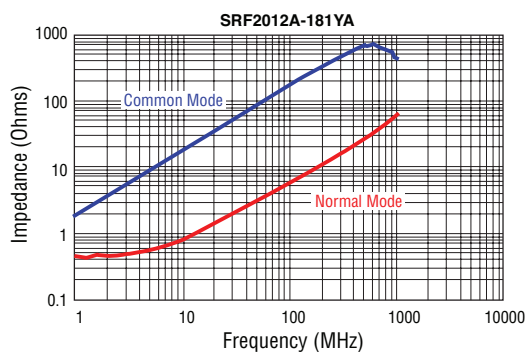
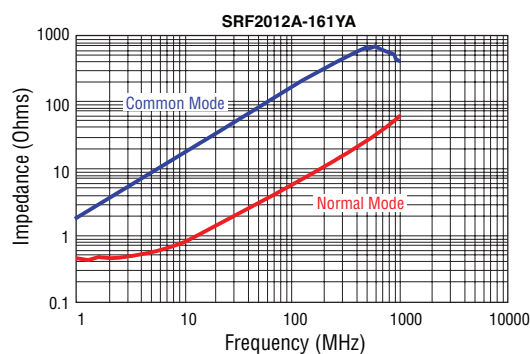
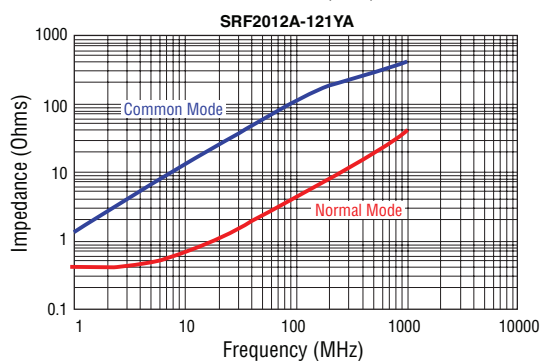
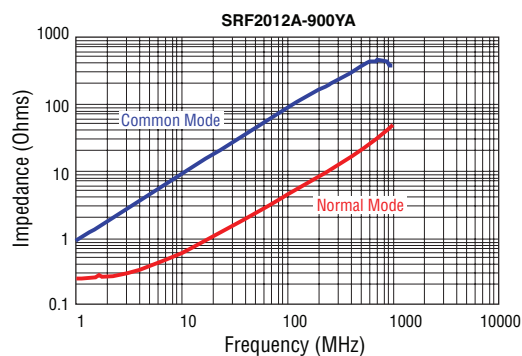
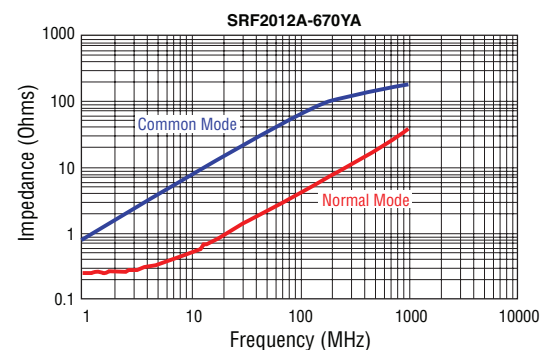
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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SRF2012AA Series - Common Mode Chip Inductors

BOURNS®

Typical Impedance vs. Frequency Curves



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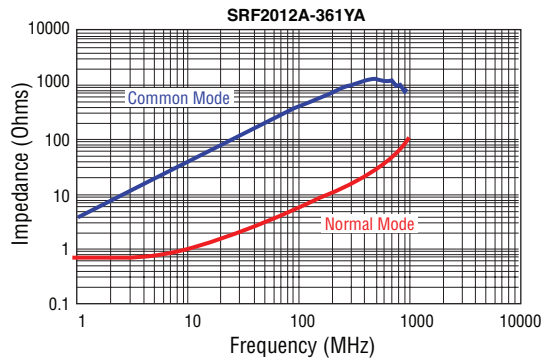
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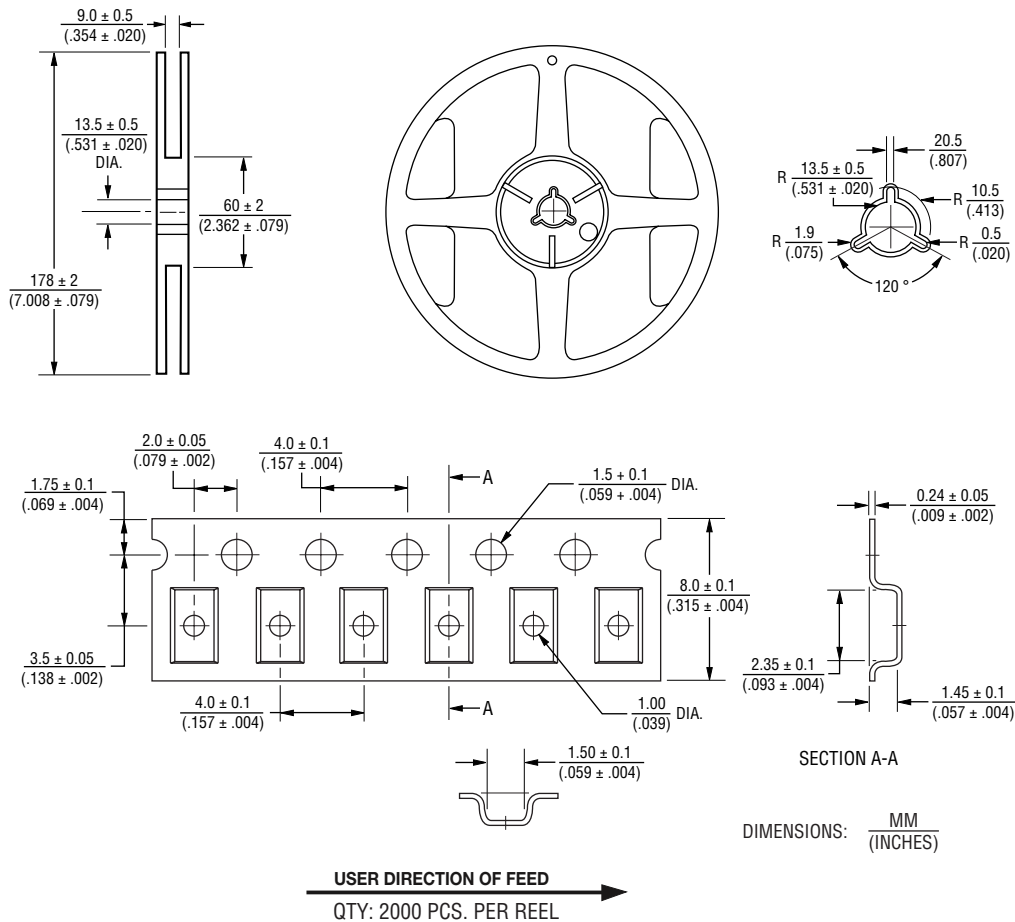
SRF2012AA Series - Common Mode Chip Inductors

BOURNS®

Typical Impedance vs. Frequency Curves (Continued)



Packaging Specifications



REV. 02/20

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