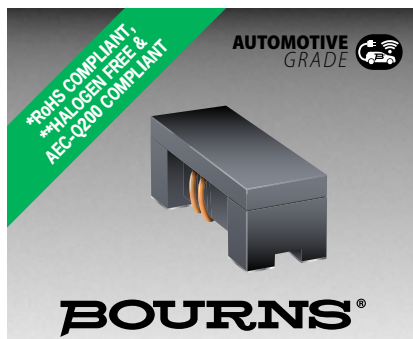




Features

- 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:

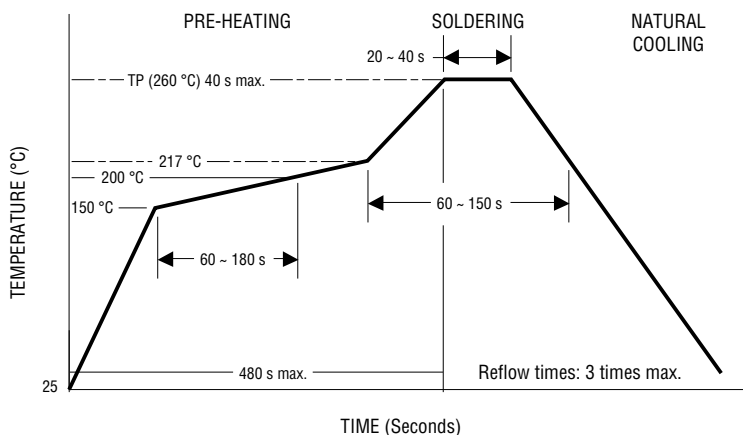


SRF2012AA Series - Common Mode Chip Inductors

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

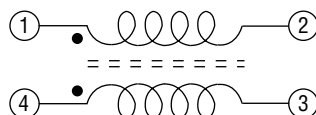


How to Order

SRF2012A - 201 Y A

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

Schematic



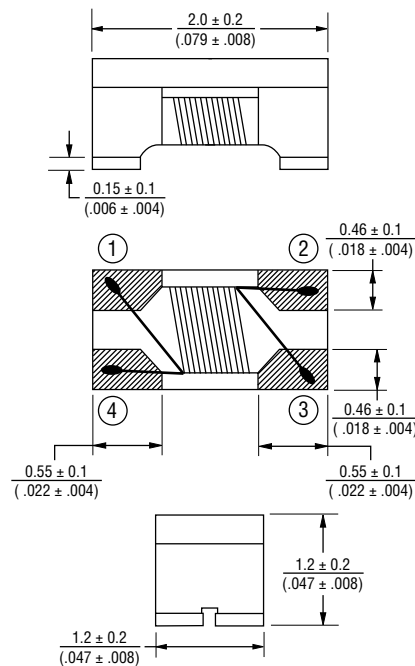
General Specifications

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 Rise20 °C at rated I_{rms}

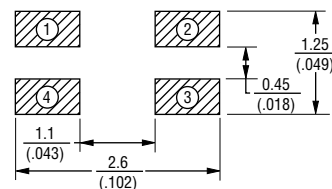
Materials

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.

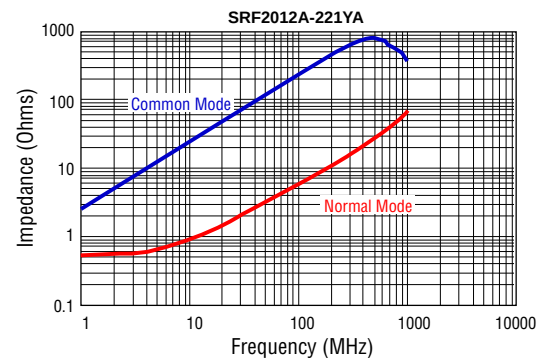
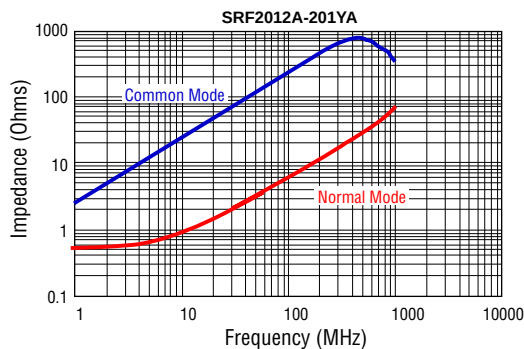
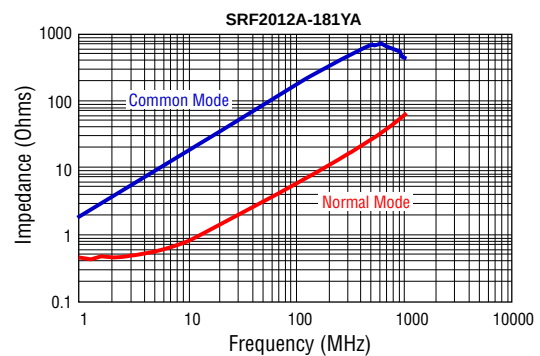
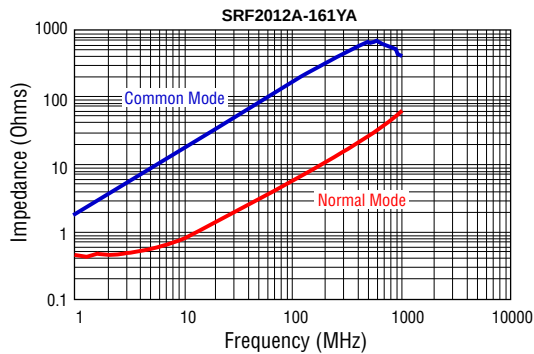
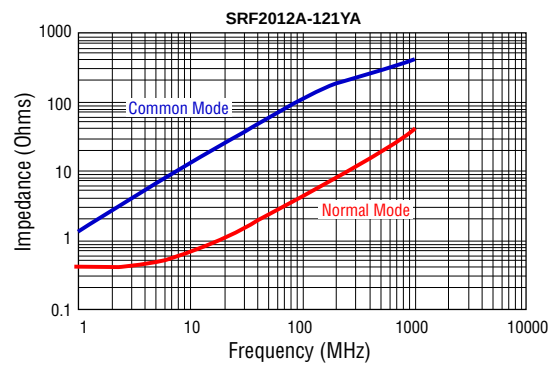
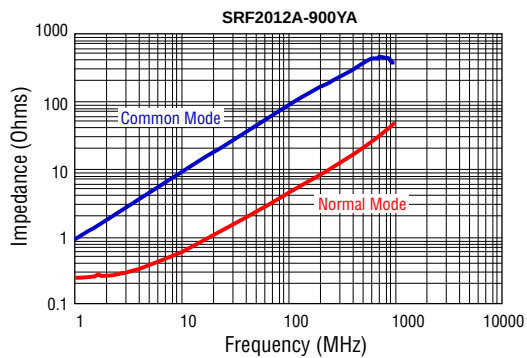
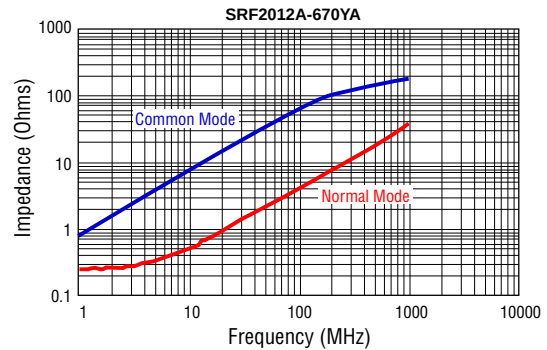
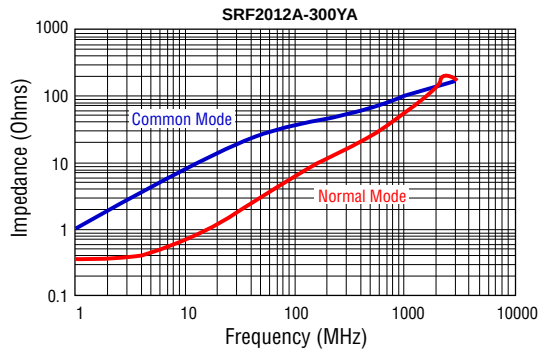
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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SRF2012AA Series - Common Mode Chip Inductors

BOURNS®

Typical Impedance vs. Frequency Curves



Specifications are subject to change without notice.

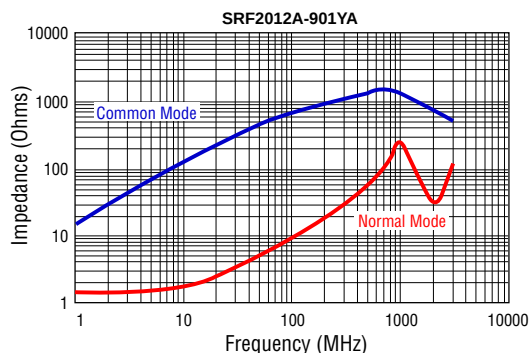
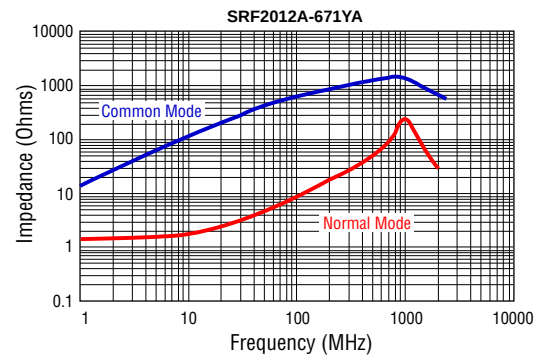
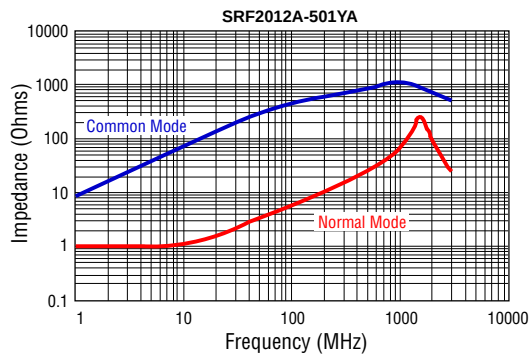
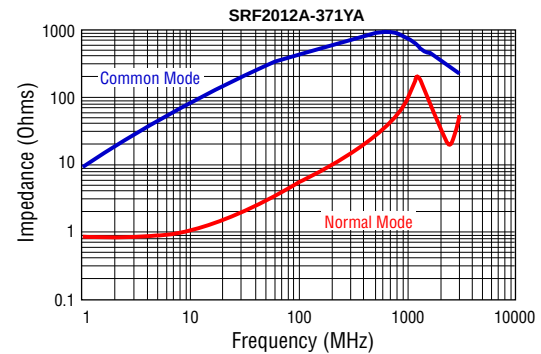
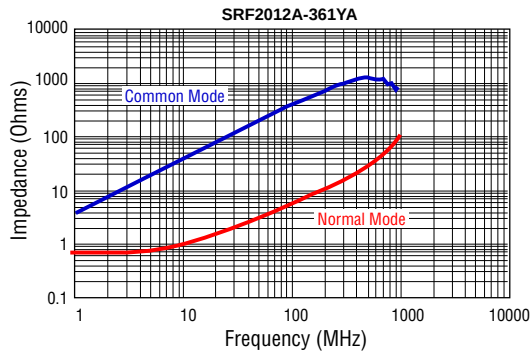
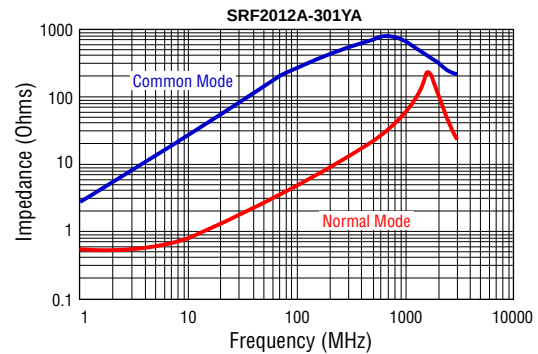
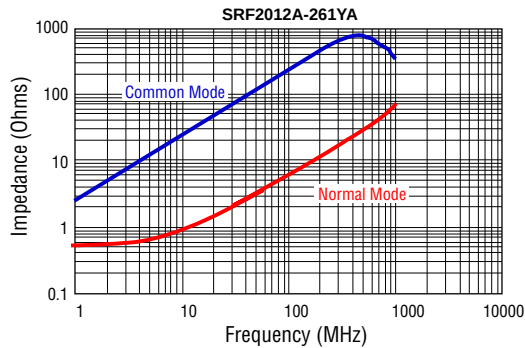
Users should verify actual device performance in their specific applications.

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SRF2012AA Series - Common Mode Chip Inductors

BOURNS®

Typical Impedance vs. Frequency Curves (Continued)



Specifications are subject to change without notice.

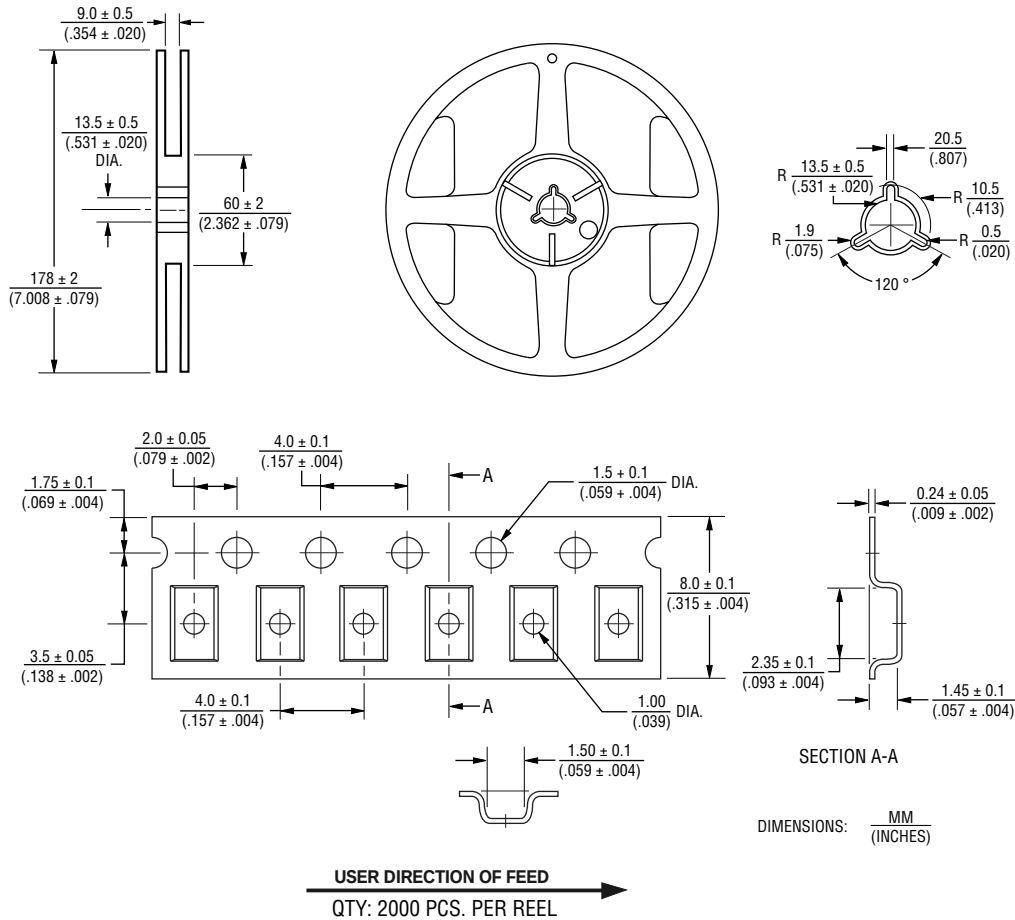
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SRF2012AA Series - Common Mode Chip Inductors

BOURNS®

Packaging Specifications



BOURNS®

Americas: Tel: +1 951-781-5500 • Email: americus@bourns.com

Mexico: Tel: +52-614-478-0400 • Email: mexicus@bourns.com

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

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

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