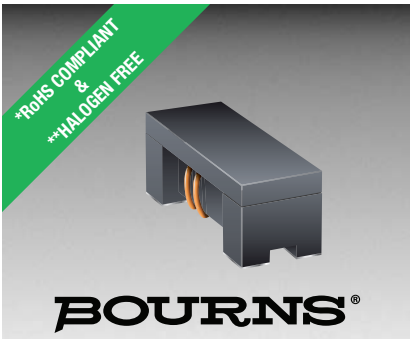




**THE DATASHEET OF
SRF2012-181YA**





Features

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

Applications

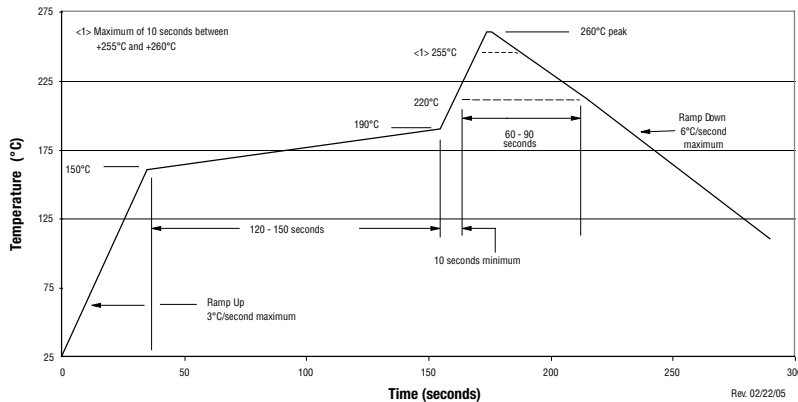
- Noise suppression
- Personal computers
- Display panels

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

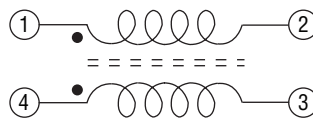
Model _____

Value Code (see table) _____

Tolerance Code _____

Model Suffix _____

Schematic



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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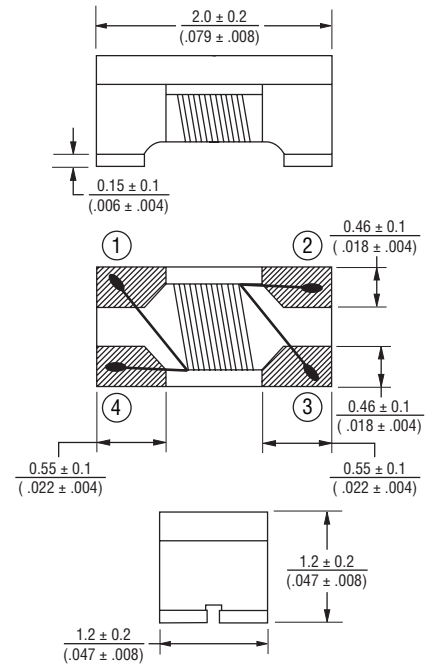
General Specifications

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

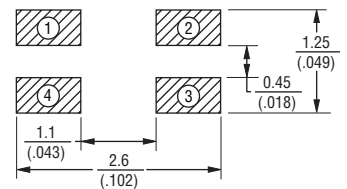
Core Ferrite
 Wire Enameled copper
 Terminal Ag/Ni/Sn
 Packaging 2000 pcs. per 7-inch reel

Product Dimensions



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

Recommended Layout

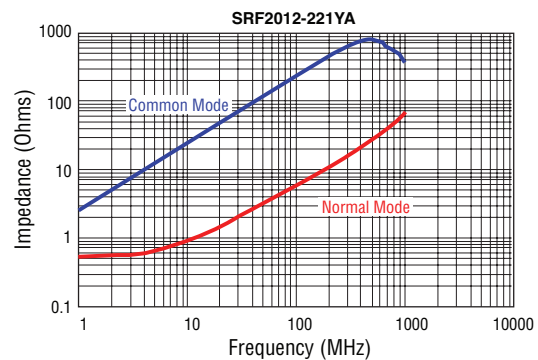
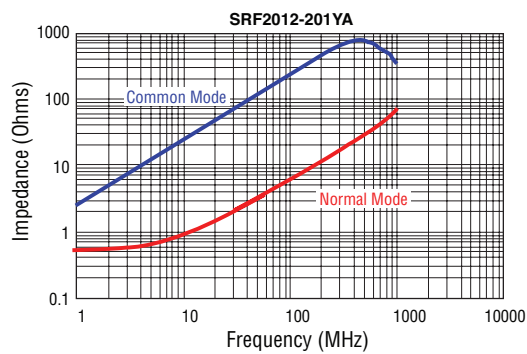
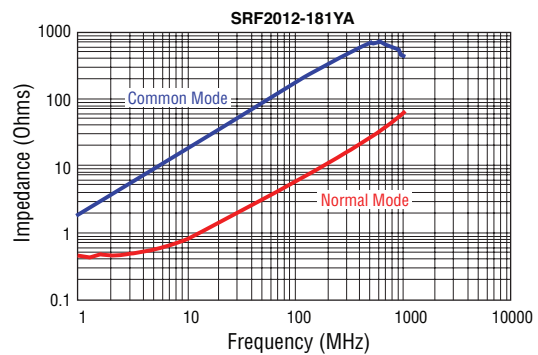
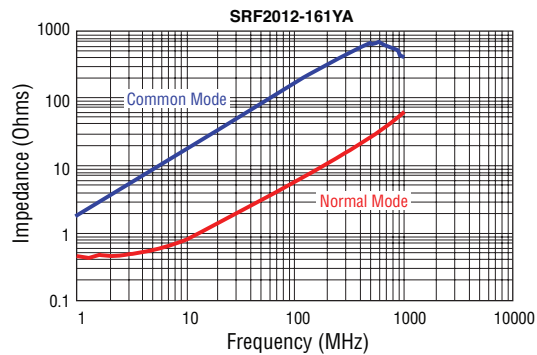
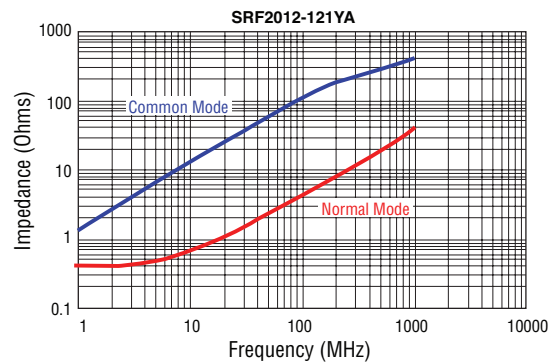
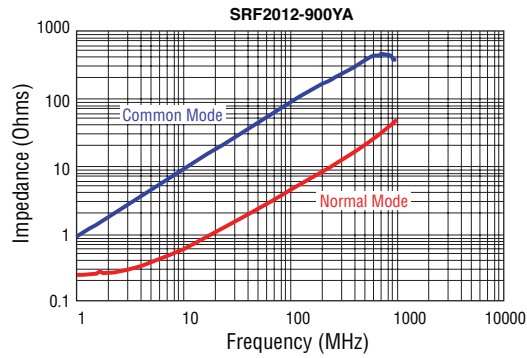
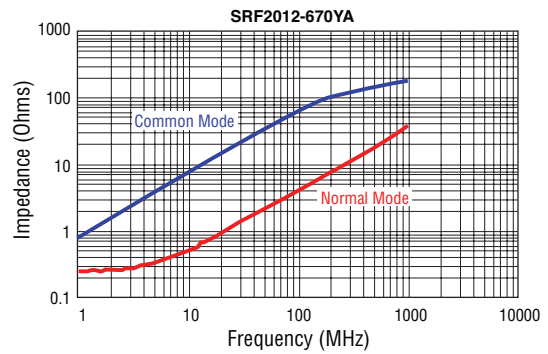
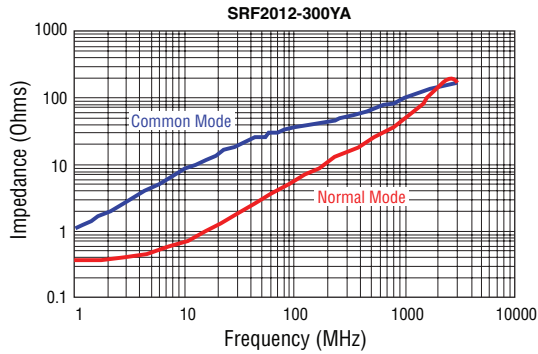


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

SRF2012A Series - Common Mode Chip Inductors



Typical Impedance vs. Frequency Curves



Specifications are subject to change without notice.

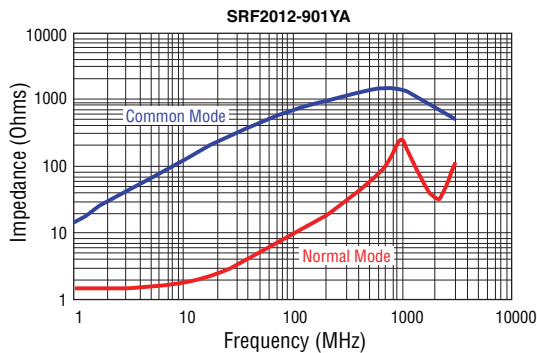
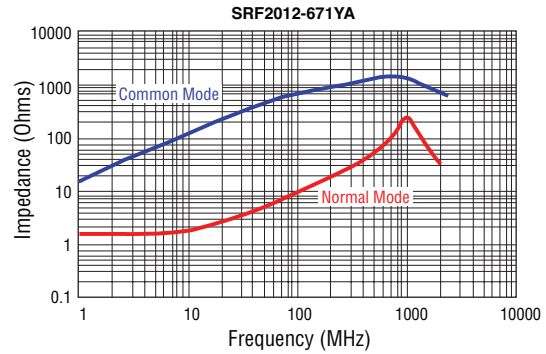
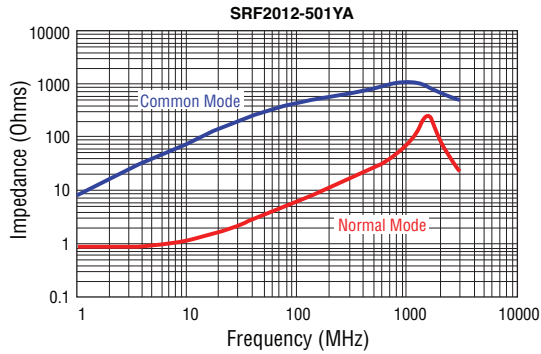
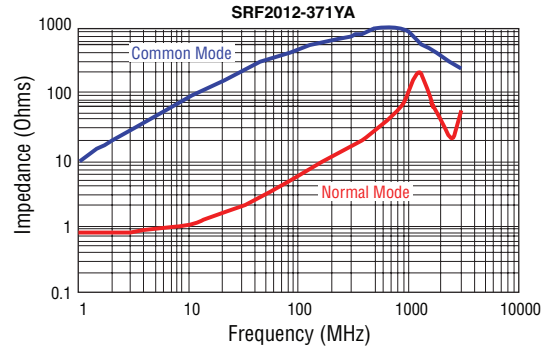
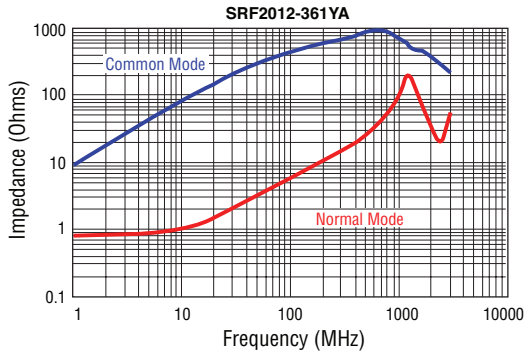
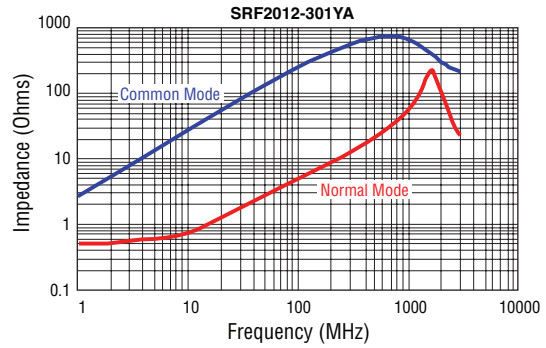
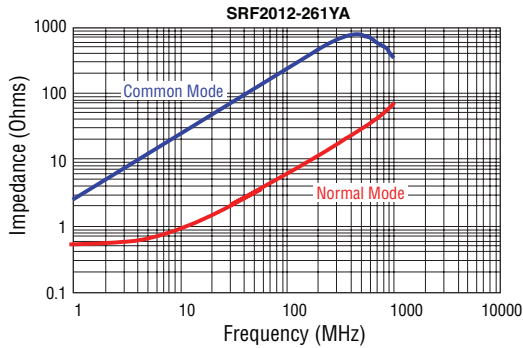
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SRF2012A Series - Common Mode Chip Inductors



Typical Impedance vs. Frequency Curves (Continued)



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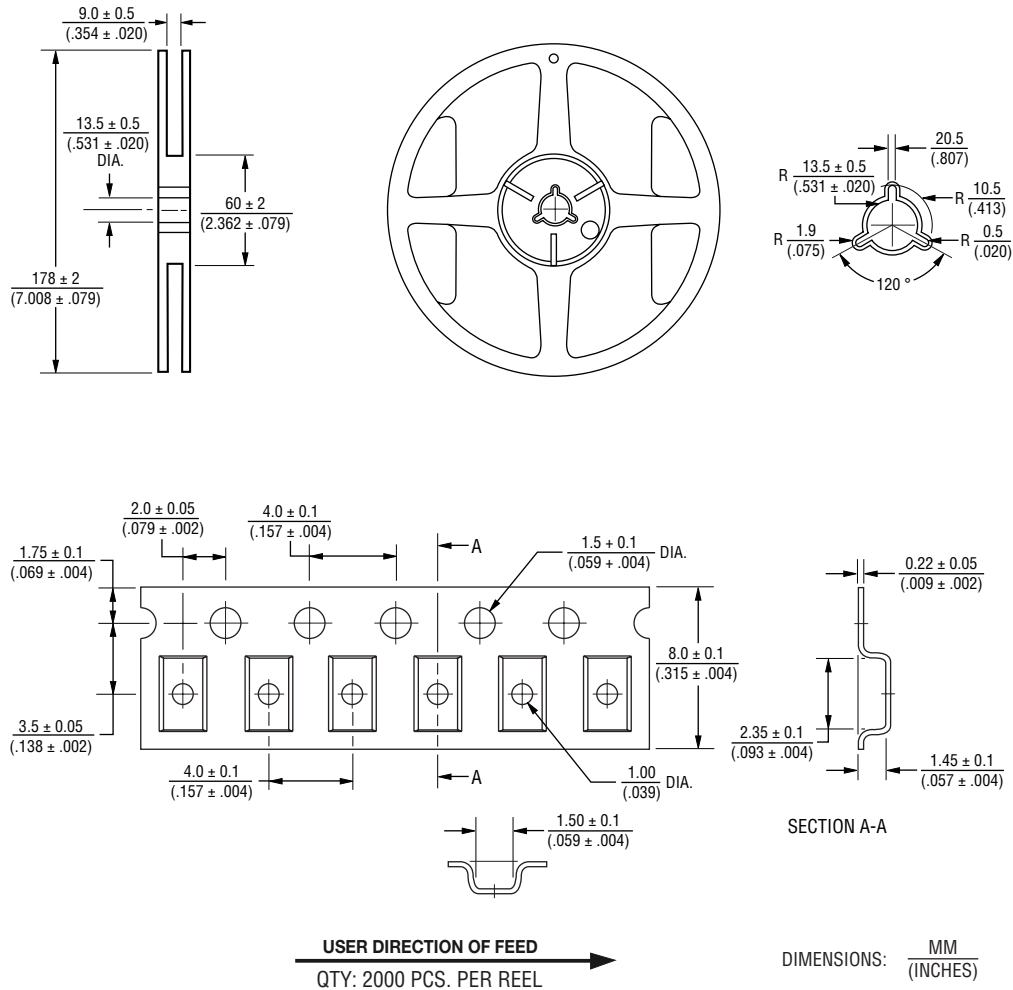
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SRF2012A Series - Common Mode Chip Inductors

BOURNS®

Packaging Specifications



BOURNS®

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