

## Features

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

## Applications

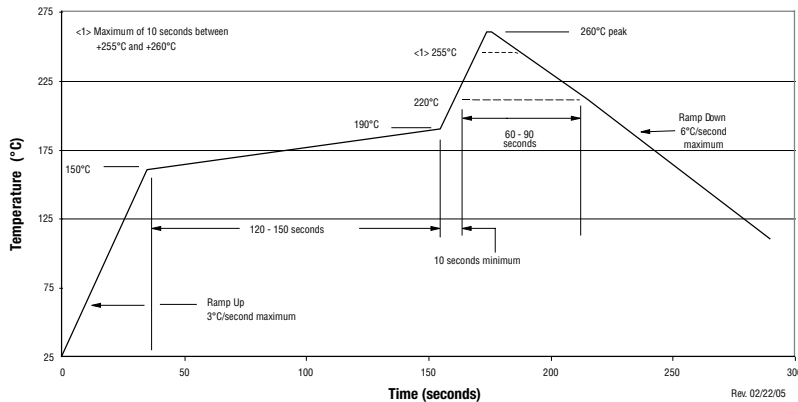
- Noise suppression
- Personal computers
- Display panels

# 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**

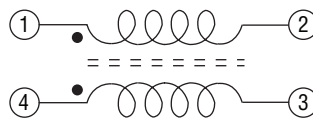
Model \_\_\_\_\_

Value Code (see table) \_\_\_\_\_

Tolerance Code \_\_\_\_\_

Model Suffix \_\_\_\_\_

## Schematic



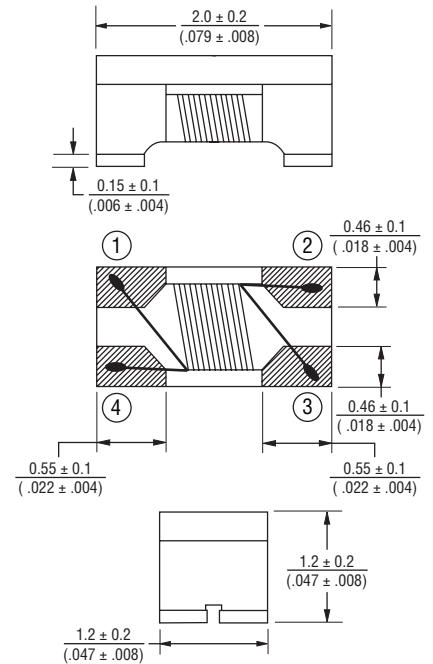
## General Specifications

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

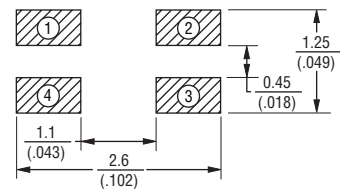
Core ..... Ferrite  
 Wire ..... Enameled copper  
 Terminal ..... Ag/Ni/Sn  
 Packaging ..... 2000 pcs. per 7-inch reel

## 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](http://www.P65Warnings.ca.gov)

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

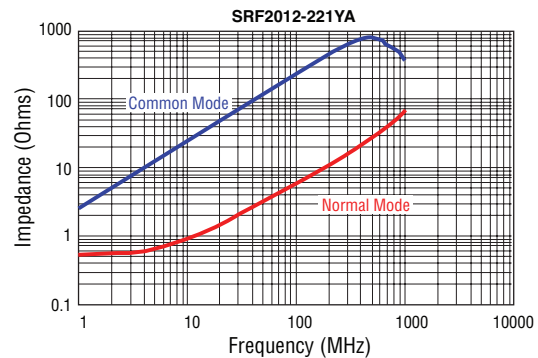
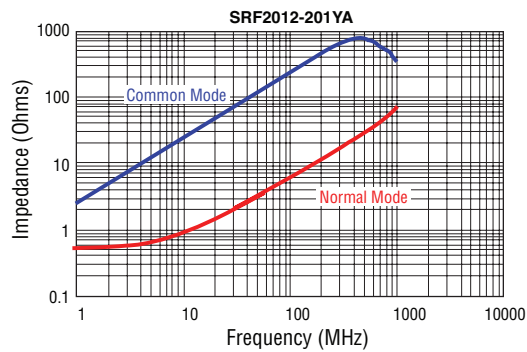
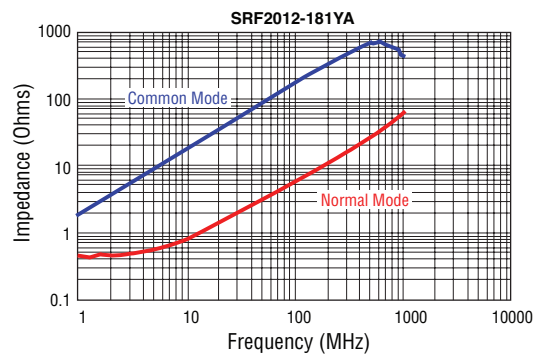
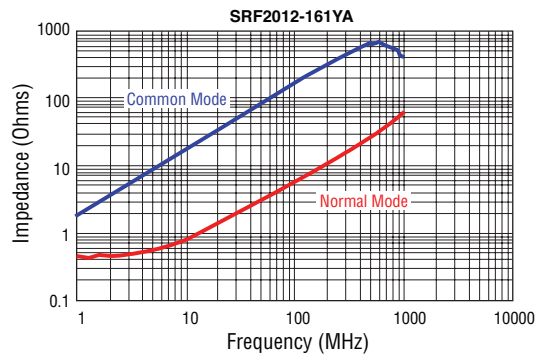
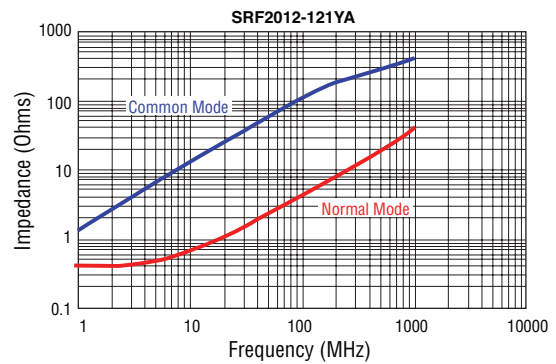
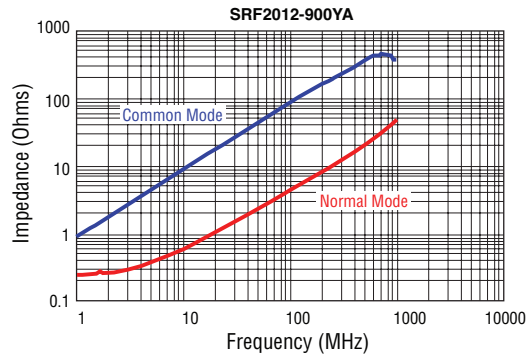
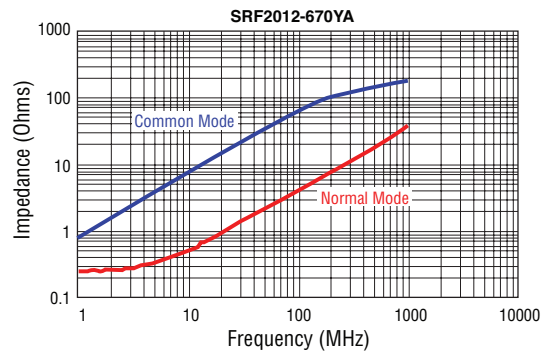
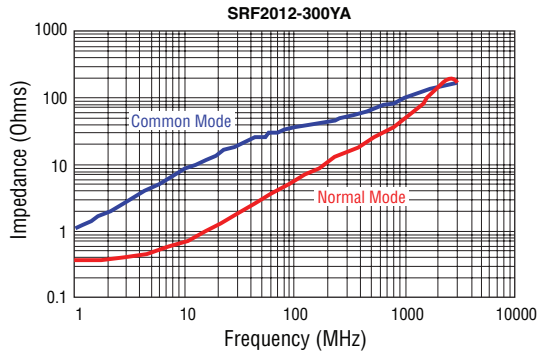
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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# SRF2012A Series - Common Mode Chip Inductors



## Typical Impedance vs. Frequency Curves



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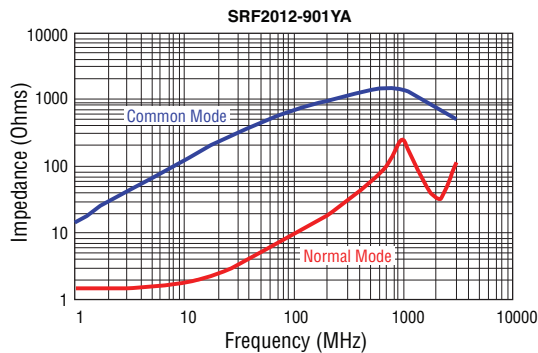
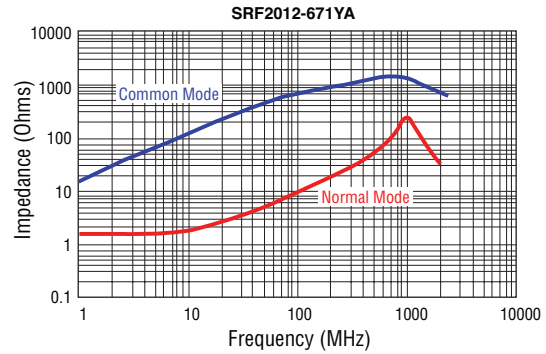
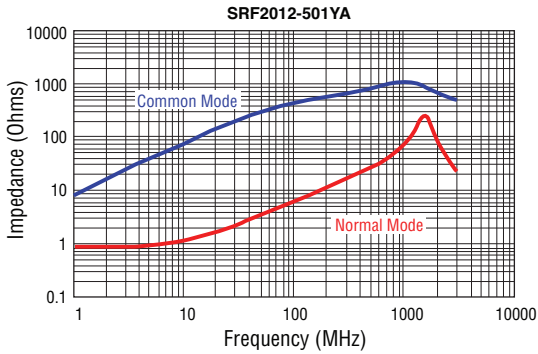
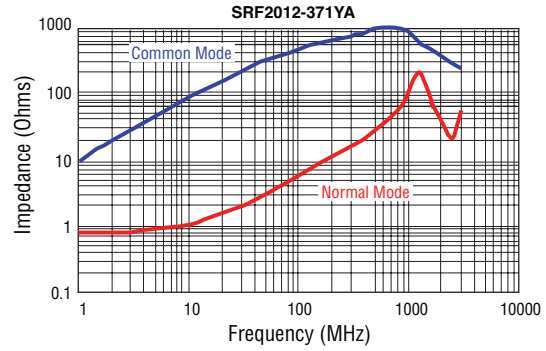
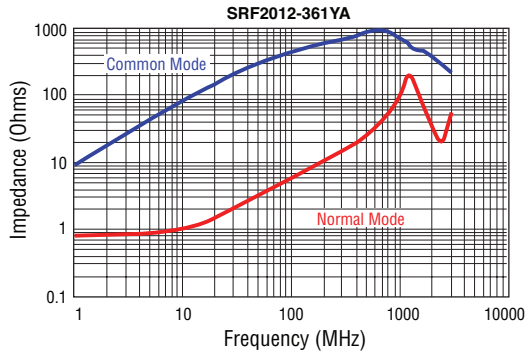
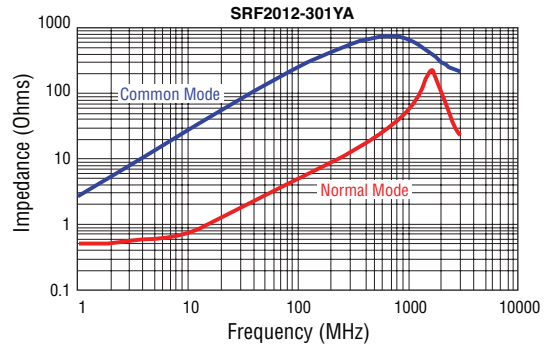
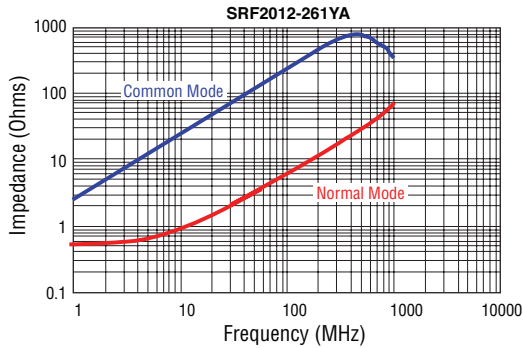
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# SRF2012A Series - Common Mode Chip Inductors



## Typical Impedance vs. Frequency Curves (Continued)



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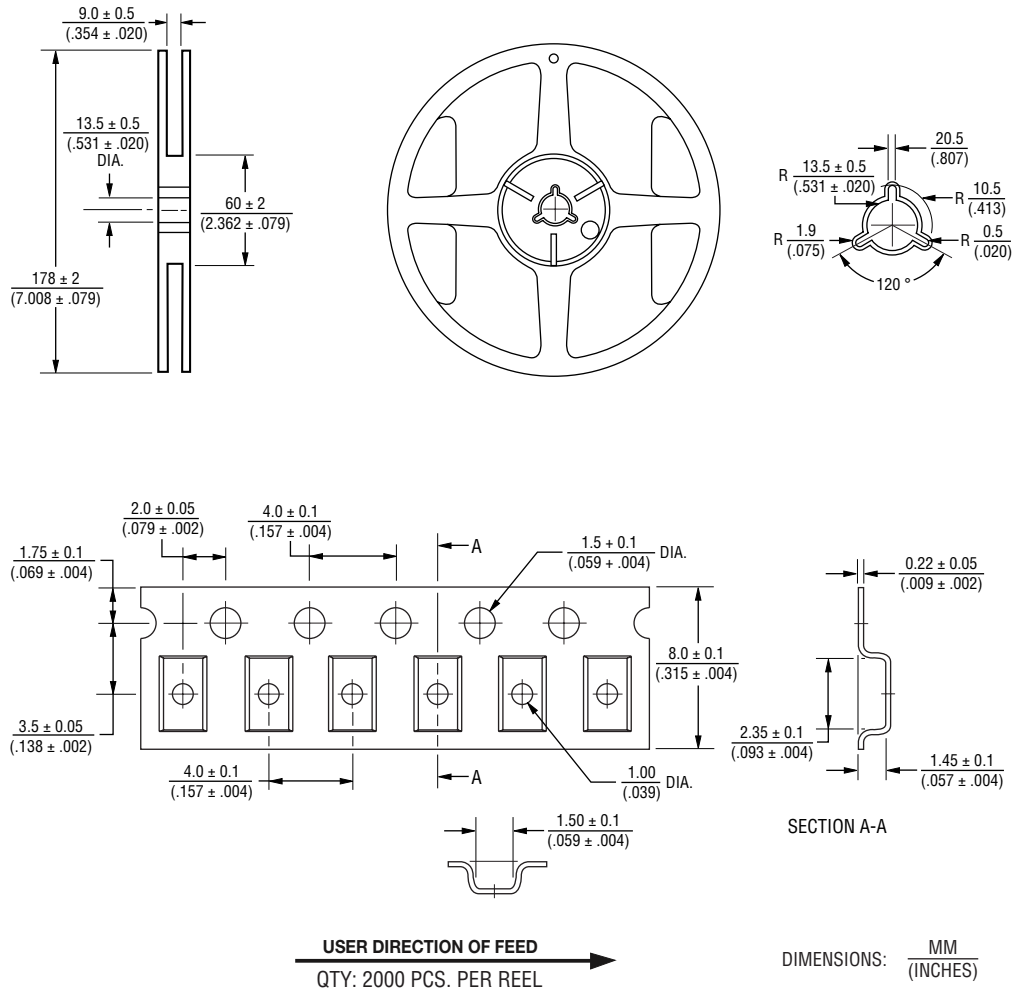
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# SRF2012A Series - Common Mode Chip Inductors

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## Packaging Specifications



**BOURNS®**

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

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

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

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REV. 08/20

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