

### Features

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

### Applications

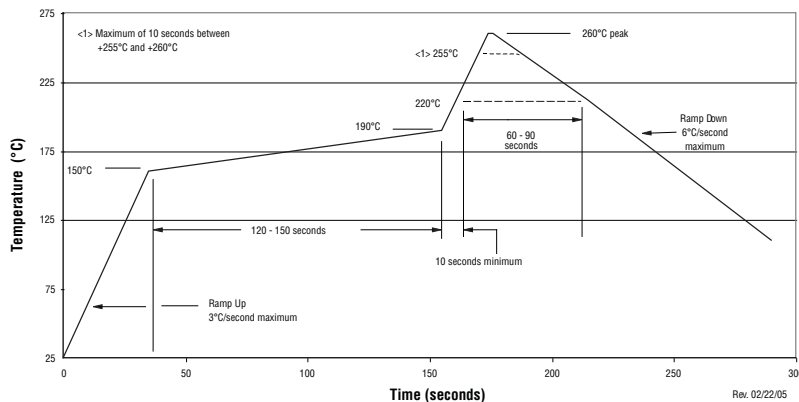
- Noise suppression
- Personal computers
- Display panels

## SRF2012A Series - Common Mode Chip Inductors

### Electrical Specifications

Part Number	Impedance @ 100 MHz		Rated Voltage (VDC)	Withstanding Voltage (DC)	Insulation Resistance (MΩ) Min.	DCR Max. (Ω)	IDC Max. (mA)
	(Ω)	Tolerance (%)					
SRF2012-300YA	30	±25	50	125	10	0.20	400
SRF2012-670YA	67	±25	50	125	10	0.25	400
SRF2012-900YA	90	±25	50	125	10	0.30	400
SRF2012-121YA	120	±25	50	125	10	0.30	400
SRF2012-161YA	160	±25	50	125	10	0.35	350
SRF2012-181YA	180	±25	50	125	10	0.35	350
SRF2012-201YA	200	±25	50	125	10	0.40	300
SRF2012-221YA	220	±25	50	125	10	0.40	300
SRF2012-261YA	260	±25	50	125	10	0.40	300
SRF2012-301YA	300	±25	50	125	10	0.50	300
SRF2012-361YA	360	±25	50	125	10	0.50	300
SRF2012-371YA	370	±25	50	125	10	0.50	300
SRF2012-501YA	500	±25	50	125	10	0.50	300
SRF2012-671YA	670	±25	50	125	10	0.60	140
SRF2012-901YA	900	±25	50	125	10	0.88	100

### Soldering Profile

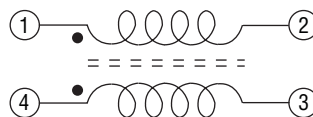


### How to Order

SRF2012 - 201 Y A

Model \_\_\_\_\_  
 Value Code (see table) \_\_\_\_\_  
 Tolerance Code \_\_\_\_\_  
 Model Suffix \_\_\_\_\_

### Schematic



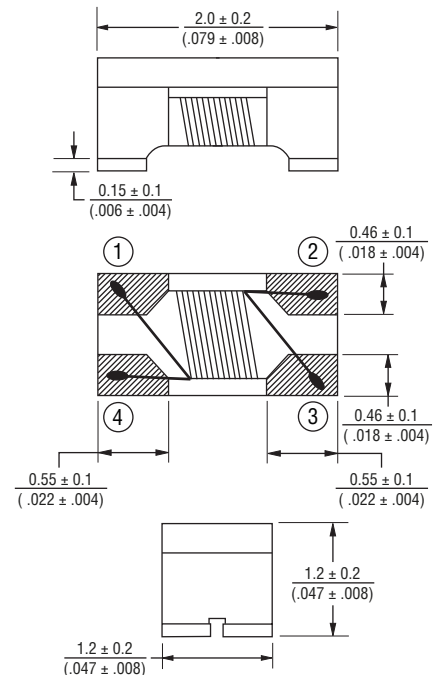
### General Specifications

Reflow soldering .... 230 °C; 50 sec max.  
 Operating Temperature  
 .....-55 °C to +125 °C  
 (Temperature rise included)  
 Storage Temperature  
 .....-55 °C to +125 °C  
 Resistance to Soldering Heat  
 ..... 260 °C, 10 sec. max.  
 Temperature Rise ..... 30 °C max. at IDC

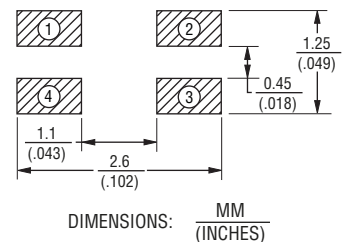
### Materials

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

### Product Dimensions



### Recommended Layout



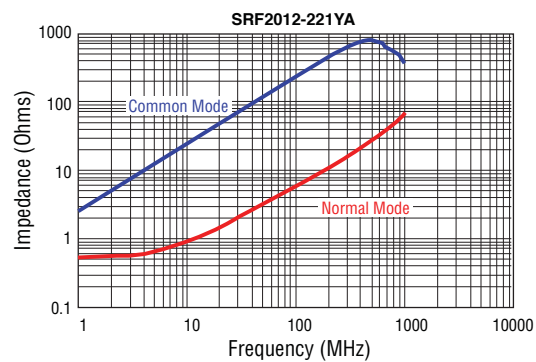
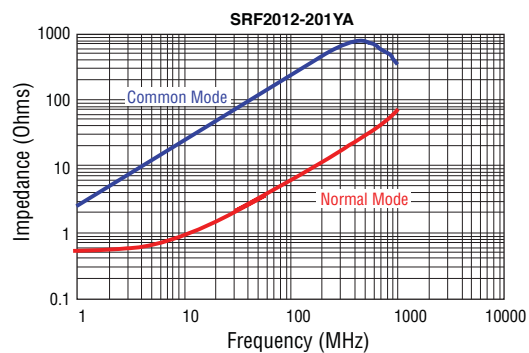
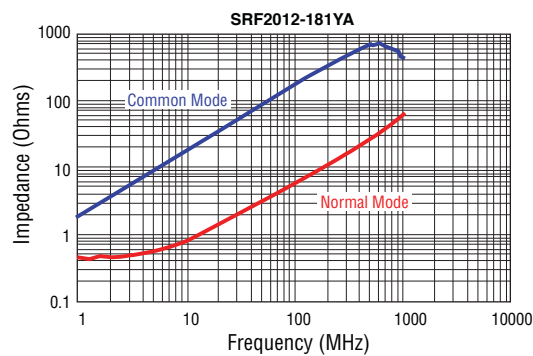
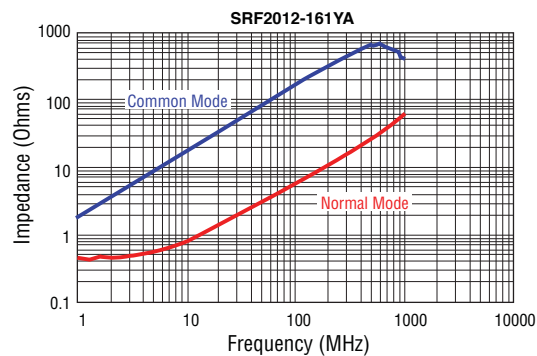
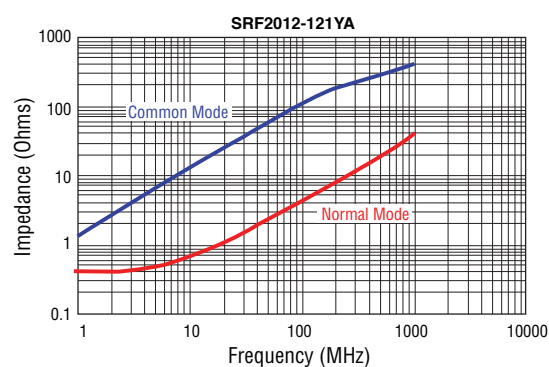
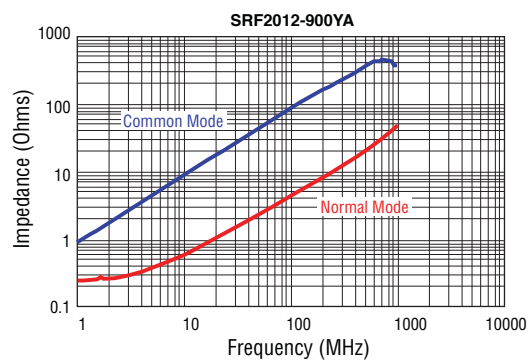
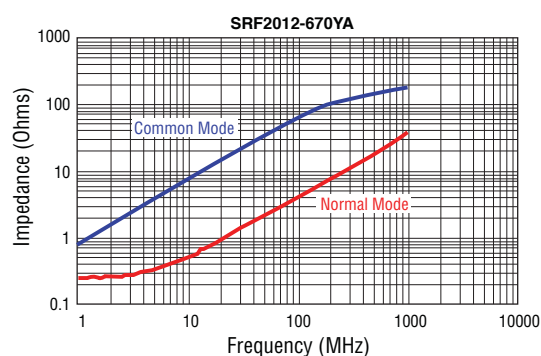
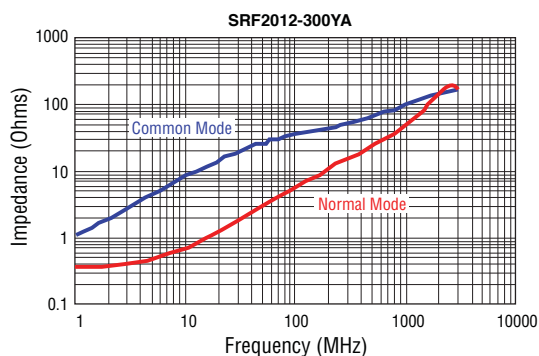
**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
 \*\*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

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## Typical Impedance vs. Frequency Curves

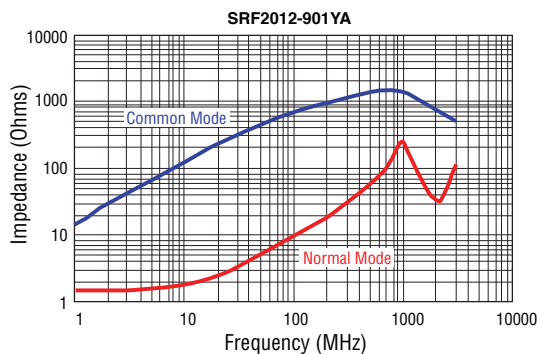
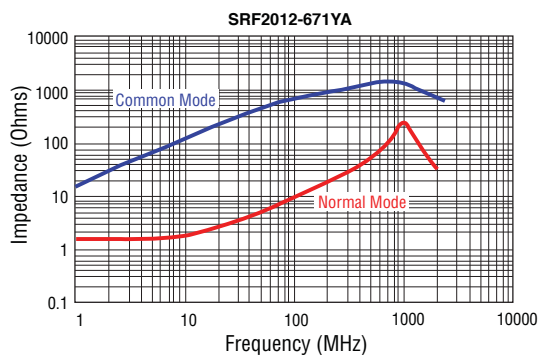
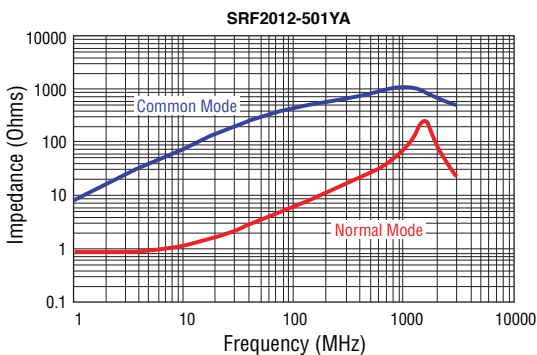
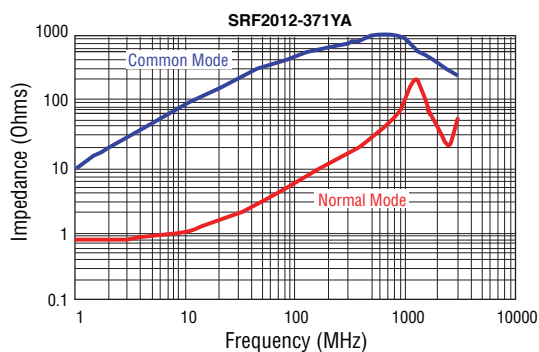
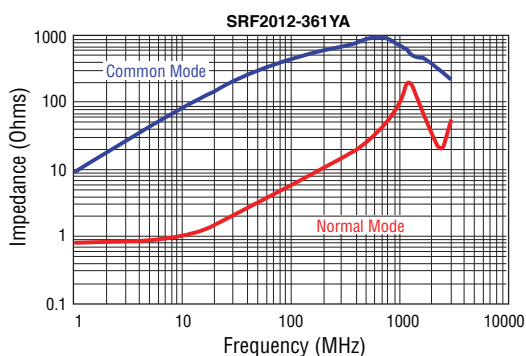
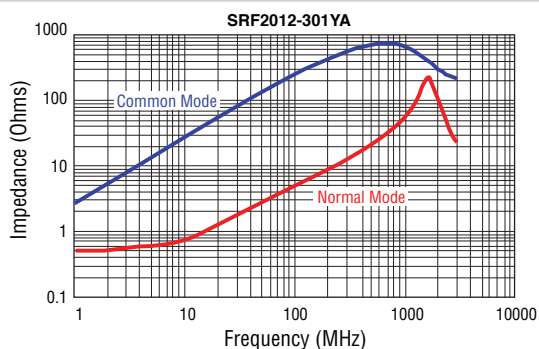
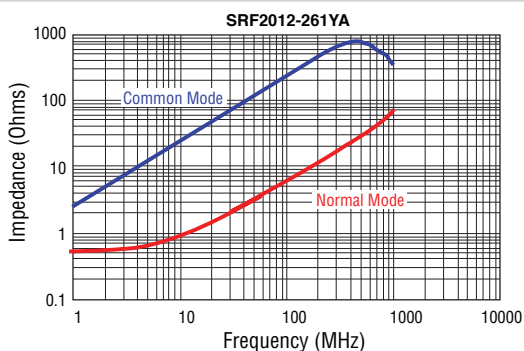


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# SRF2012A Series - Common Mode Chip Inductors

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## Typical Impedance vs. Frequency Curves (Continued)



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