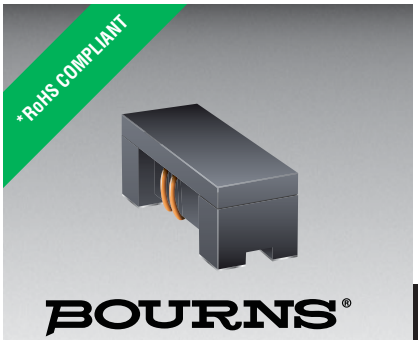


Features

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

Applications

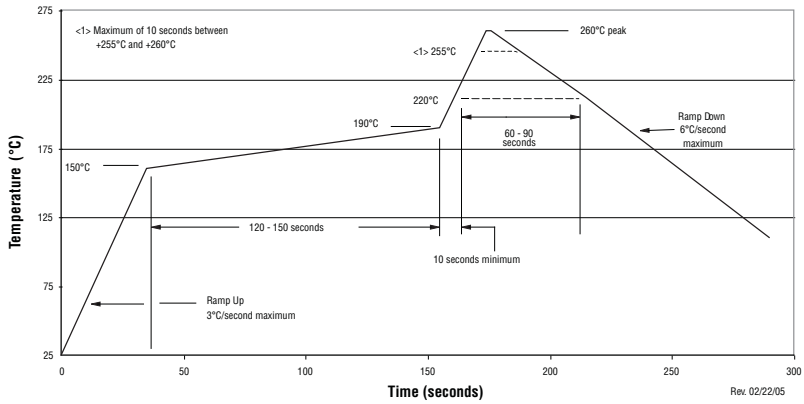
- Noise suppression
- Personal computers
- Display panels

SRF2012A Series - Common Mode Chip Inductors

Electrical Specifications

Part Number	Impedance @ 100 MHz (Ω)	Impedance @ 100 MHz Tolerance (%)	Rated Voltage (VDC)	Withstanding Voltage (DC)	Insulation Resistance (MΩ) Min.	DCR Max. (Ω)	IDC Max. (mA)
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



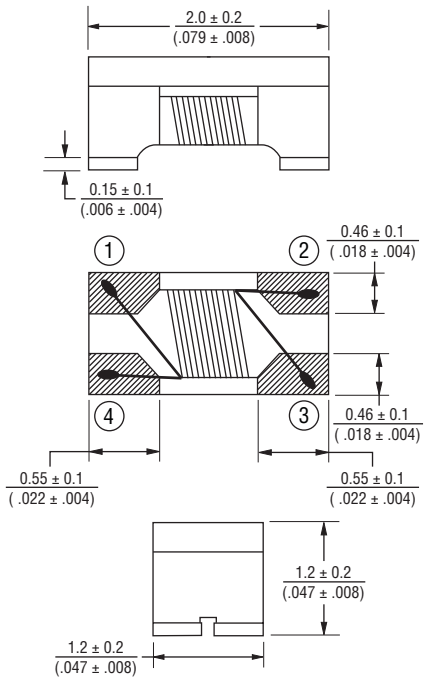
General Specifications

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

Product Dimensions

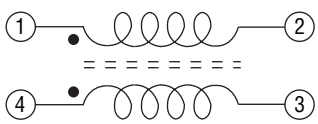


How to Order

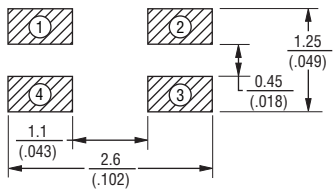
SRF2012 - 201 Y A

Model
Value Code (see table)
Tolerance Code
Model Suffix

Schematic



Recommended Layout

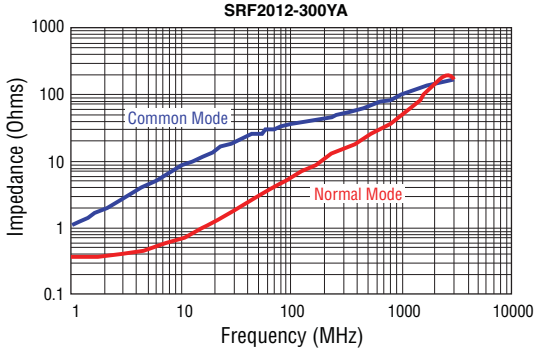


DIMENSIONS: MM / (INCHES)

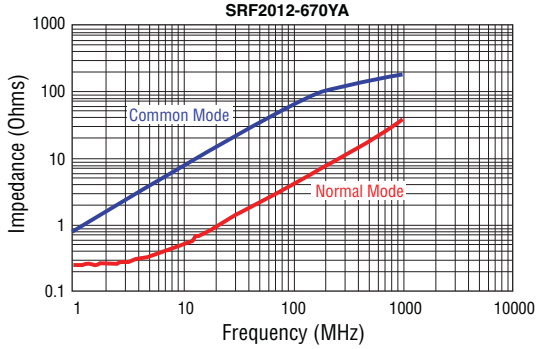
* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Typical Impedance vs. Frequency Curves

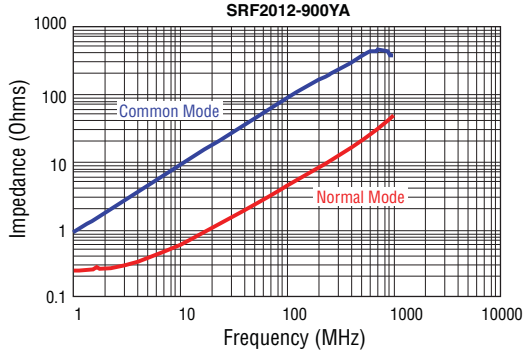
SRF2012-300YA



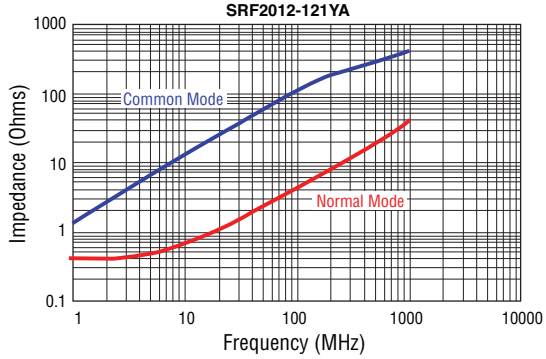
SRF2012-670YA



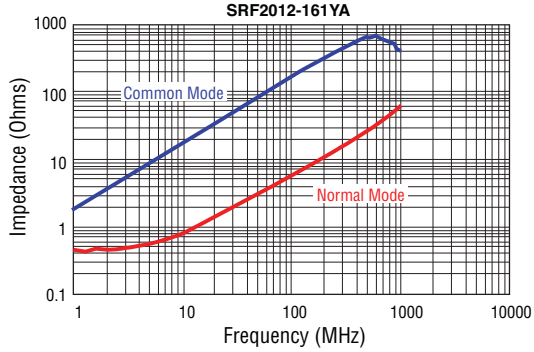
SRF2012-900YA



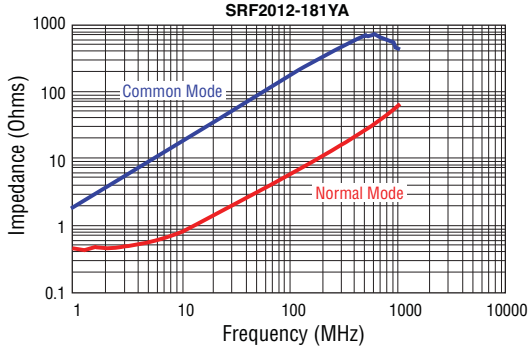
SRF2012-121YA



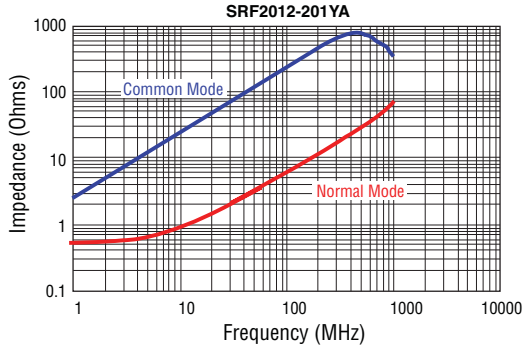
SRF2012-161YA



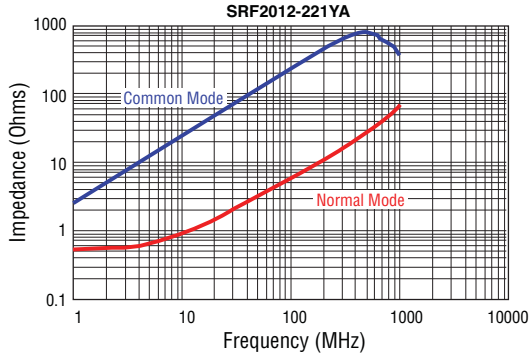
SRF2012-181YA



SRF2012-201YA

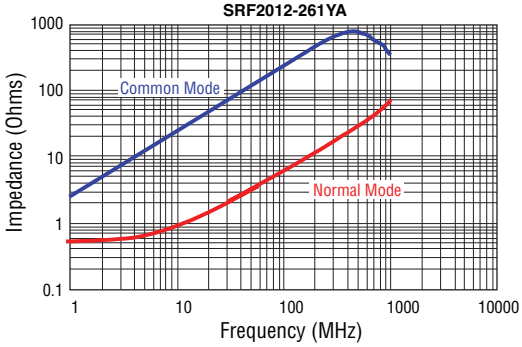


SRF2012-221YA

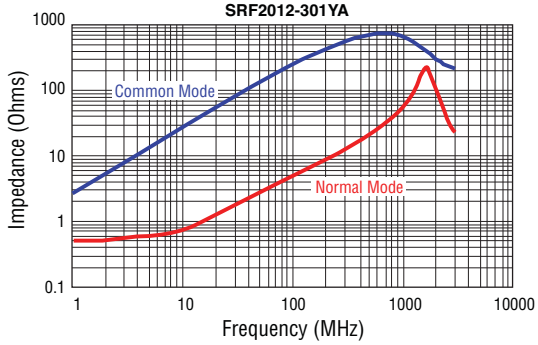


Typical Impedance vs. Frequency Curves (Continued)

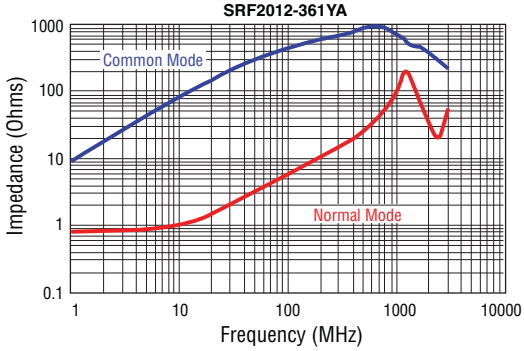
SRF2012-261YA



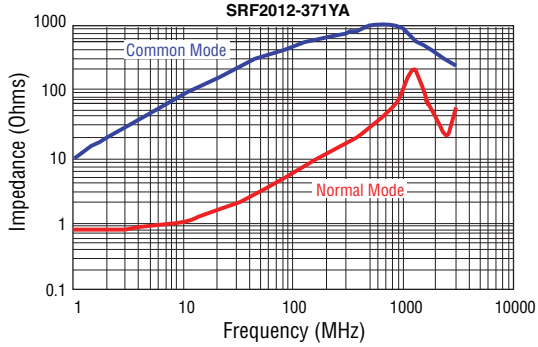
SRF2012-301YA



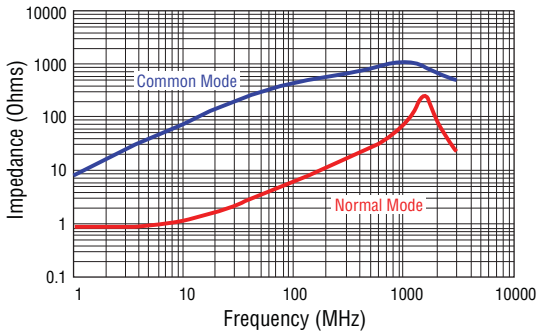
SRF2012-361YA



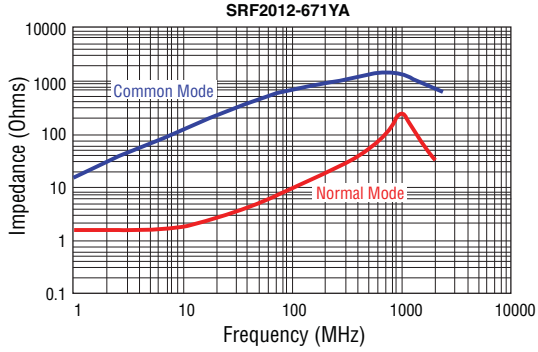
SRF2012-371YA



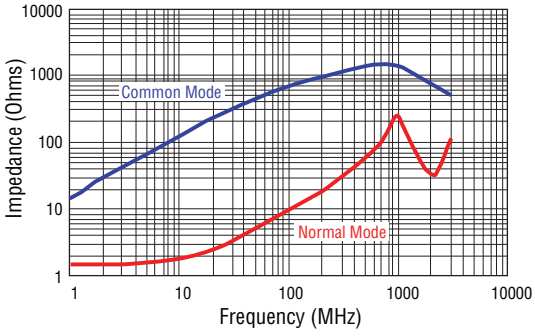
SRF2012-501YA



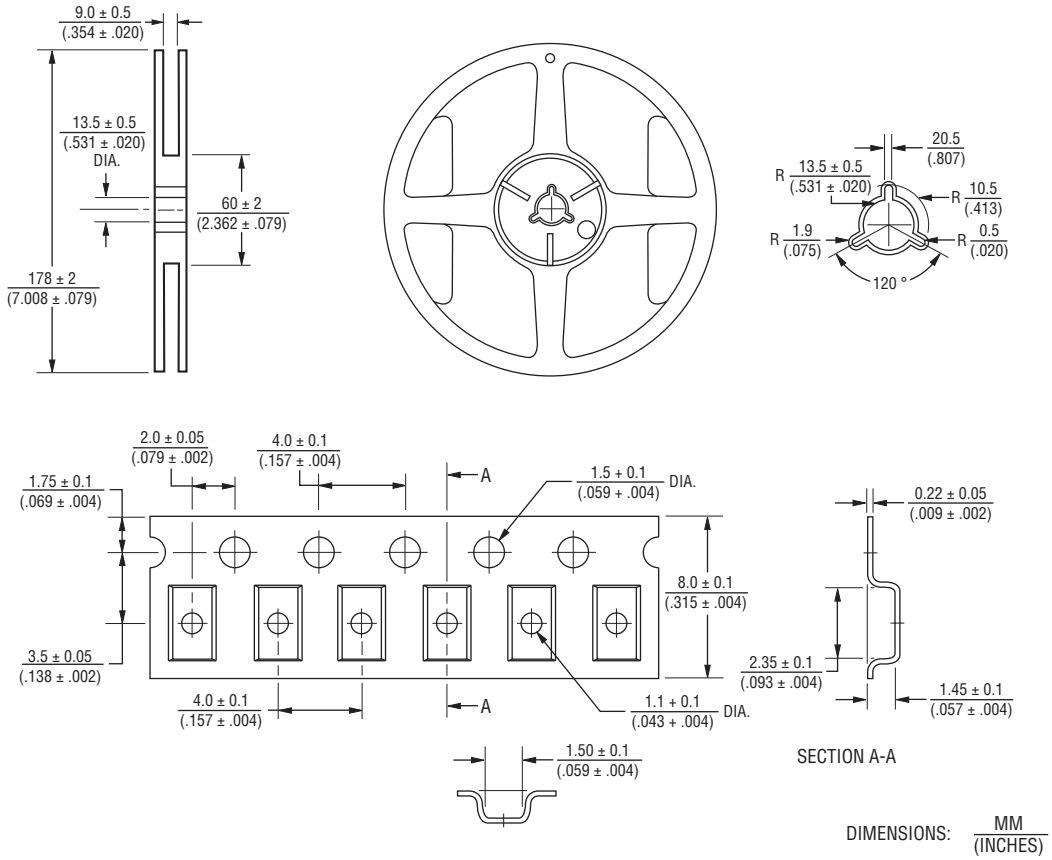
SRF2012-671YA



SRF2012-901YA



Packaging Specifications



REV. 09/16