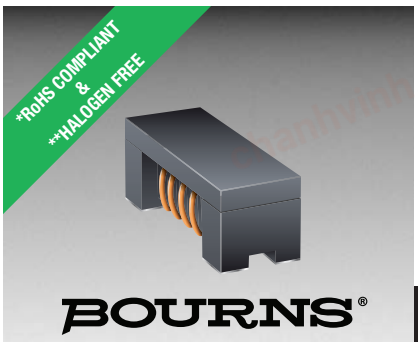
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Features

- Shielded construction – low radiation
- Bifilar wound
- Impedance range: 90 to 2200 ohms @ 100 MHz
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

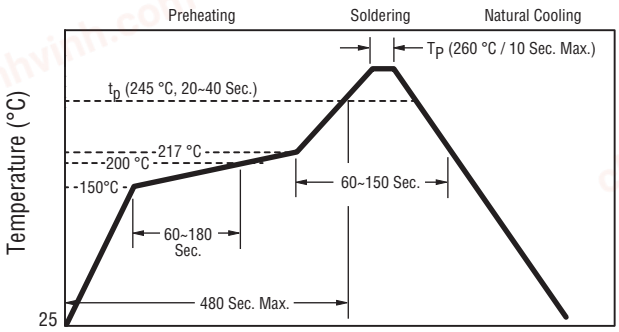
SRF3216A Series - Common Mode Chip Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Impedance @ 100 MHz / 1 V		DCR Typ. (Ω)	DCR Max. (Ω)	Irms (mA)
	Z (Ω)	Tolerance (%)			
SRF3216A-900Y	90	± 25	0.15	0.3	400
SRF3216A-121Y	120	± 25	0.17	0.3	350
SRF3216A-161Y	160	± 25	0.18	0.4	350
SRF3216A-221Y	220	± 25	0.25	0.45	300
SRF3216A-261Y	260	± 25	0.35	0.5	300
SRF3216A-361Y	360	± 25	0.45	0.6	300
SRF3216A-601Y	600	± 25	0.60	0.8	300
SRF3216A-102Y	1000	± 25	0.65	1.0	230
SRF3216A-222Y	2200	± 25	1.10	1.2	200

Soldering Profile

Peak Temperature: 260 °C max.
Max. Peak Temperature 260 °C: 10 sec. max.
Max. Time Above 217 °C: 60~150 sec. max.



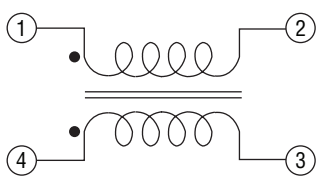
Reflow Times: 3 Times Max.

How to Order

SRF3216A - 221 Y

Model
Value Code (see table)
Tolerance Code

Schematic



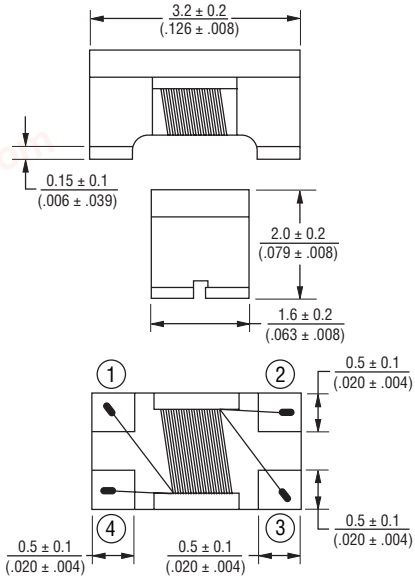
General Specifications

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 Rise .....20 °C at rated Irms

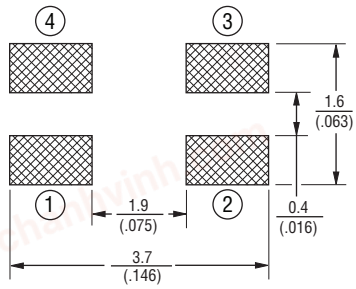
Materials

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

Product Dimensions



Recommended Layout



DIMENSIONS: MM / (INCHES)

WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

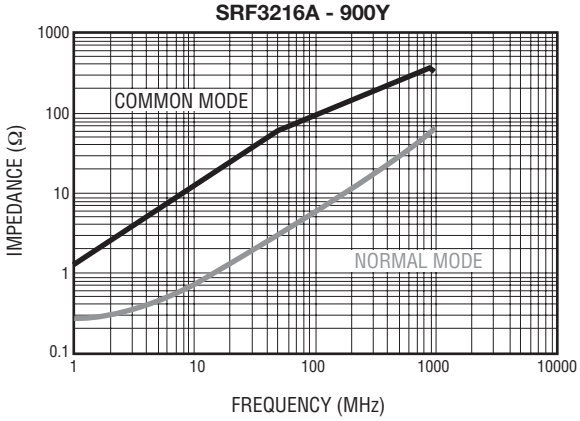
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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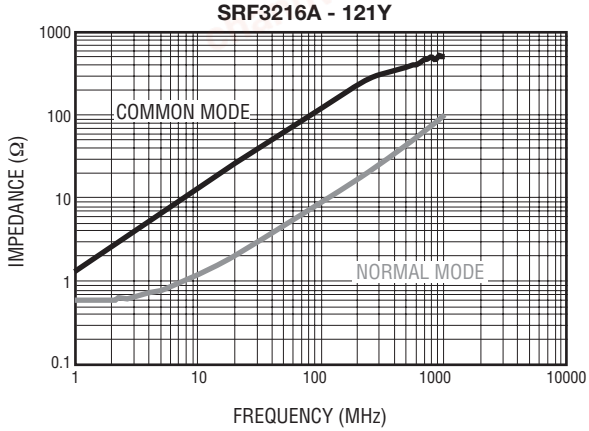
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Typical Impedance vs. Frequency Curves

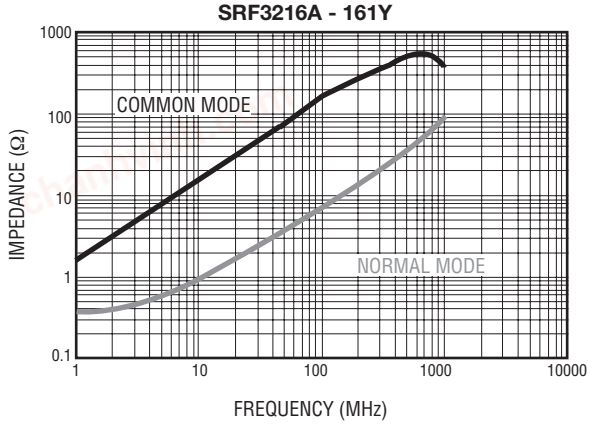
SRF3216A - 900Y



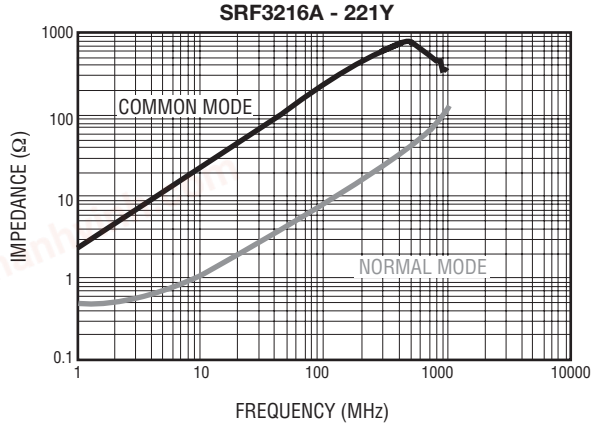
SRF3216A - 121Y



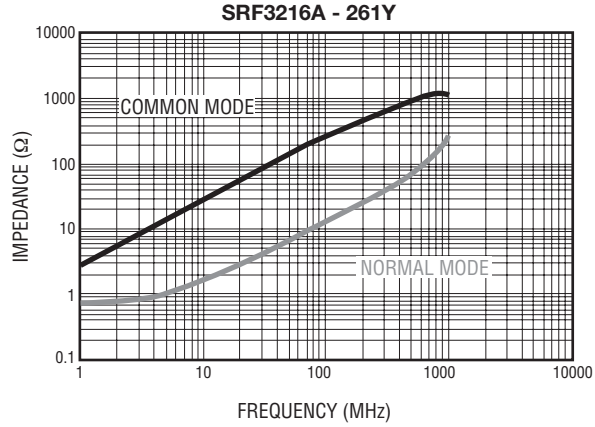
SRF3216A - 161Y



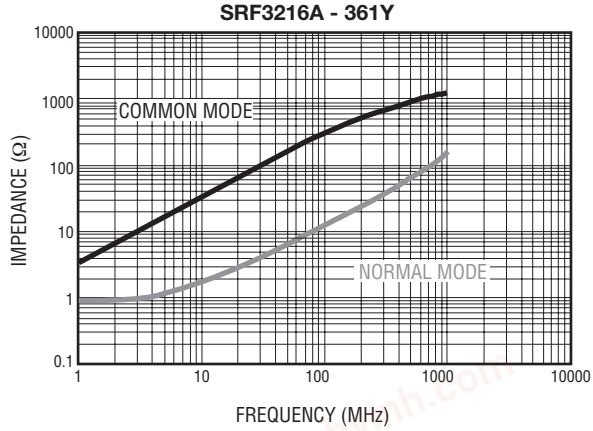
SRF3216A - 221Y



SRF3216A - 261Y



SRF3216A - 361Y

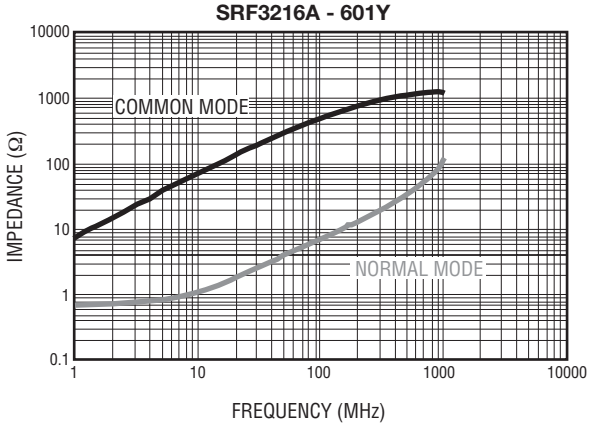


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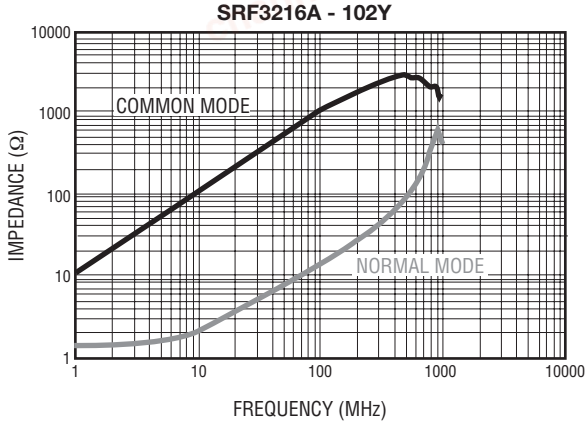
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Typical Impedance vs. Frequency Curves (Continued)

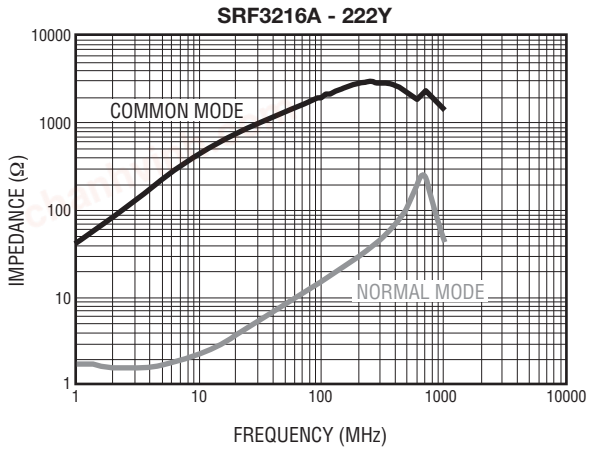
SRF3216A - 601Y



SRF3216A - 102Y



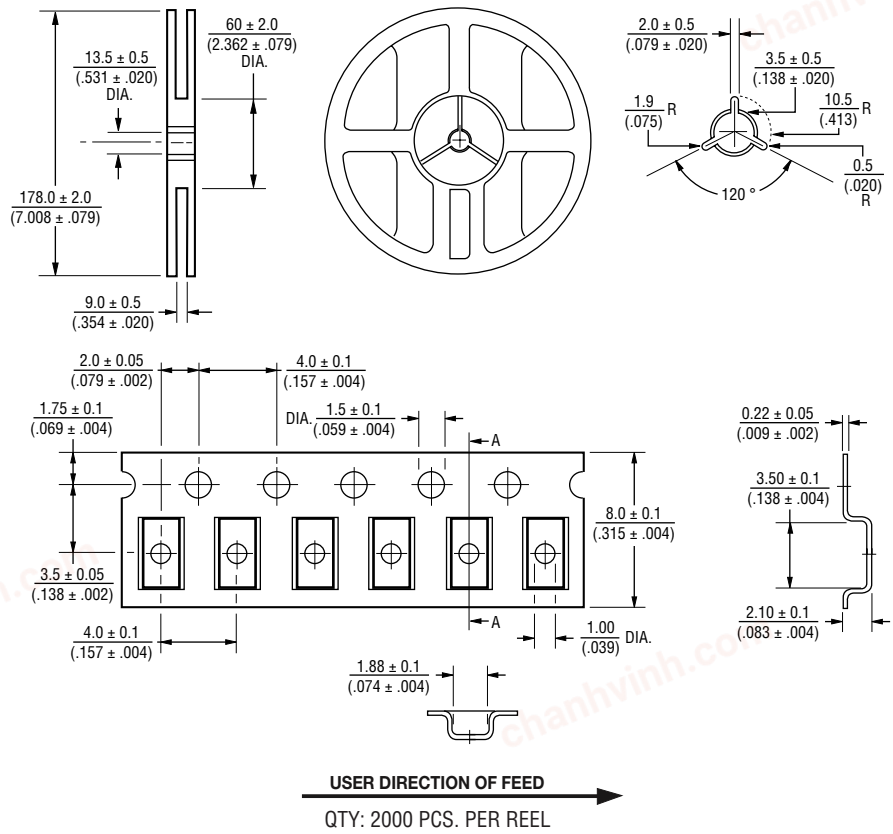
SRF3216A - 222Y



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Packaging Specifications



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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. 02/20

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