

Features

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

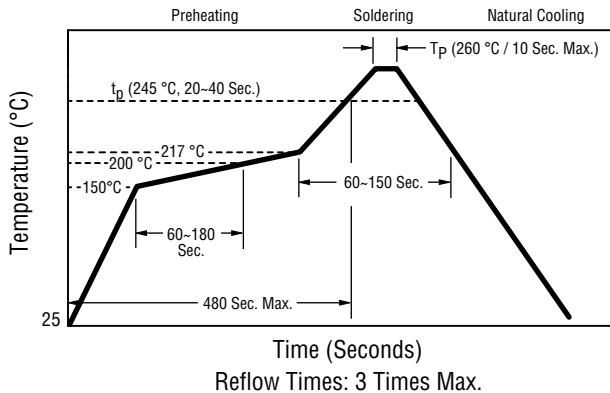
SRF3216A Series - Common Mode Chip Inductors

Electrical Specifications @ 25 °C

Bourns Part Number	Impedance @ 100 MHz / 1 V		DCR Typ. (Ω)	DCR Max. (Ω)	I _{rms} (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

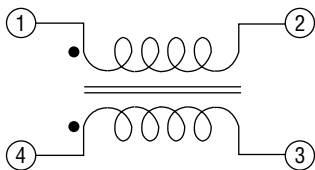
Soldering Profile

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

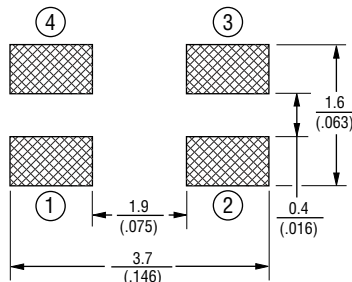


Reflow Times: 3 Times Max.

Schematic



Recommended Layout



Additional Information

Click these links for more information:



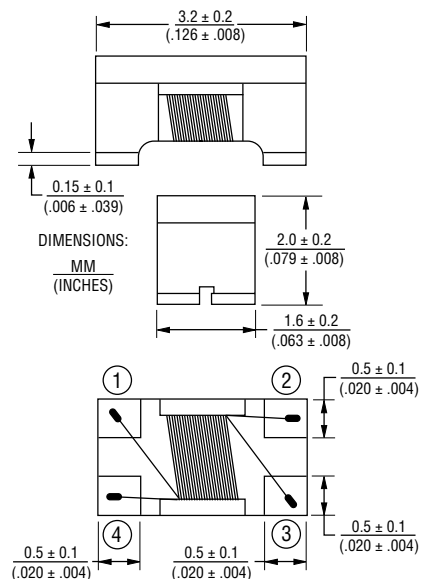
General Specifications

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 I_{rms}

Materials

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

Product Dimensions



How to Order

SRF3216A - 221 Y

Model _____
 Value Code (see table) _____
 Tolerance Code _____



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

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

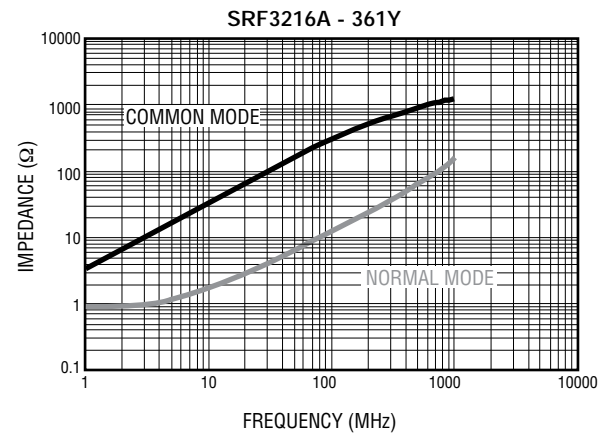
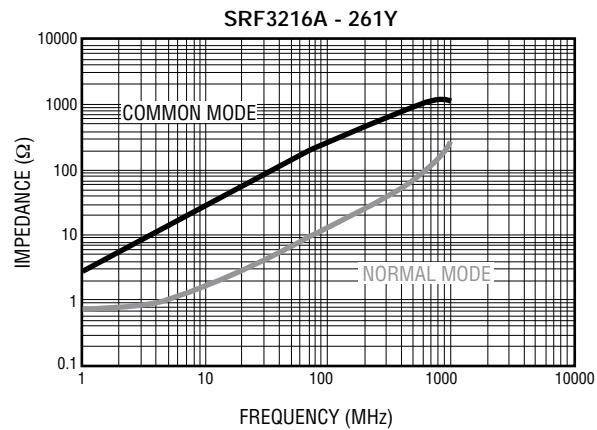
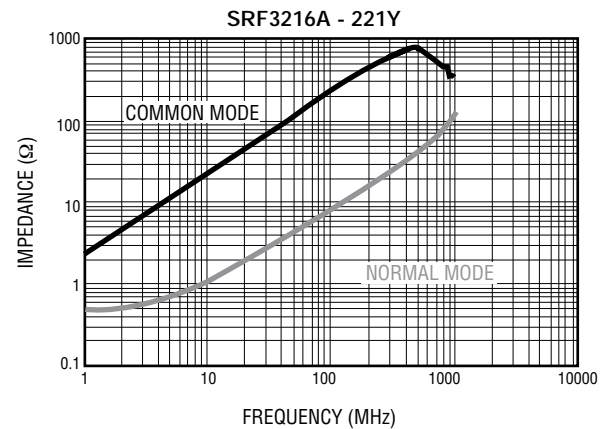
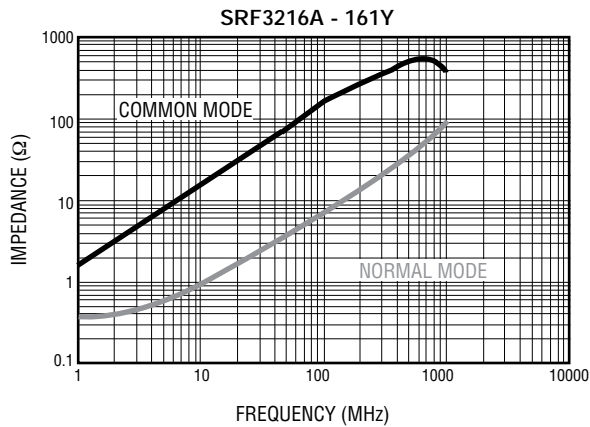
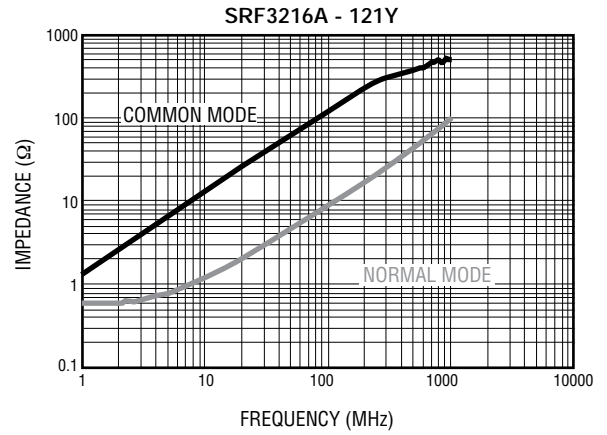
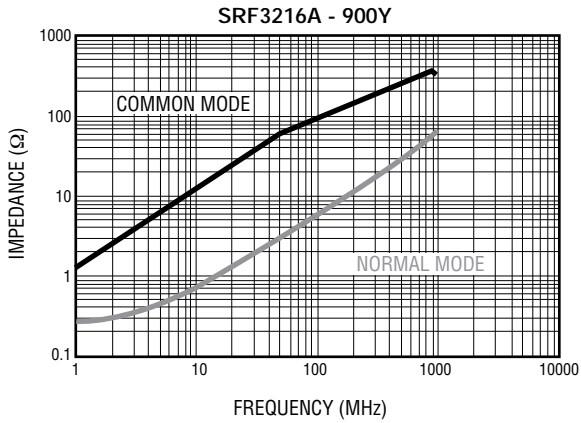
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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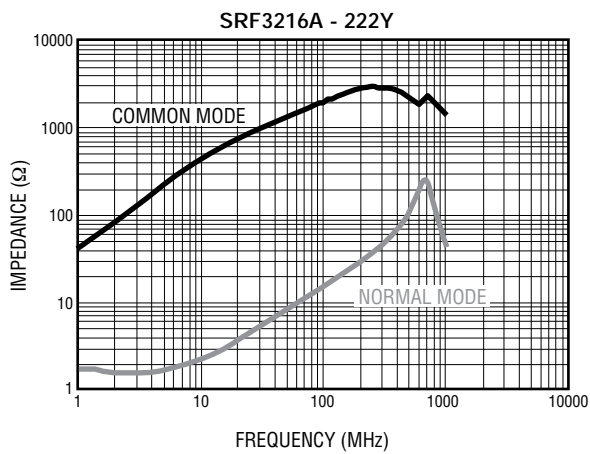
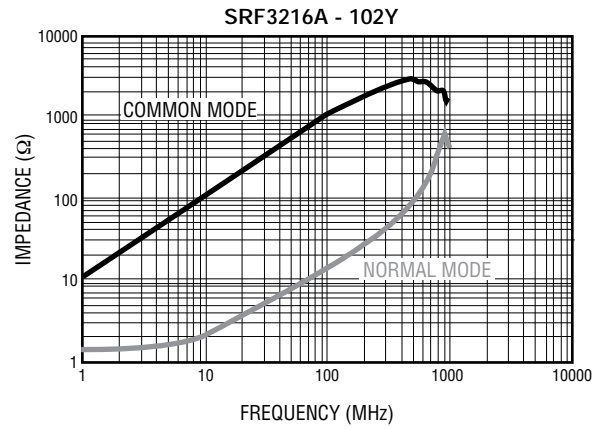
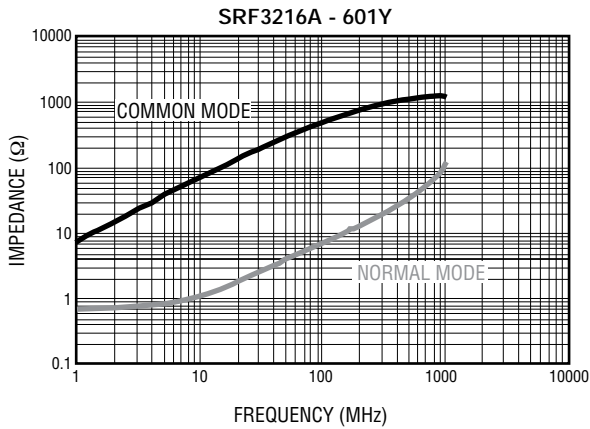
Typical Impedance vs. Frequency Curves



SRF3216A Series - Common Mode Chip Inductors

BOURNS®

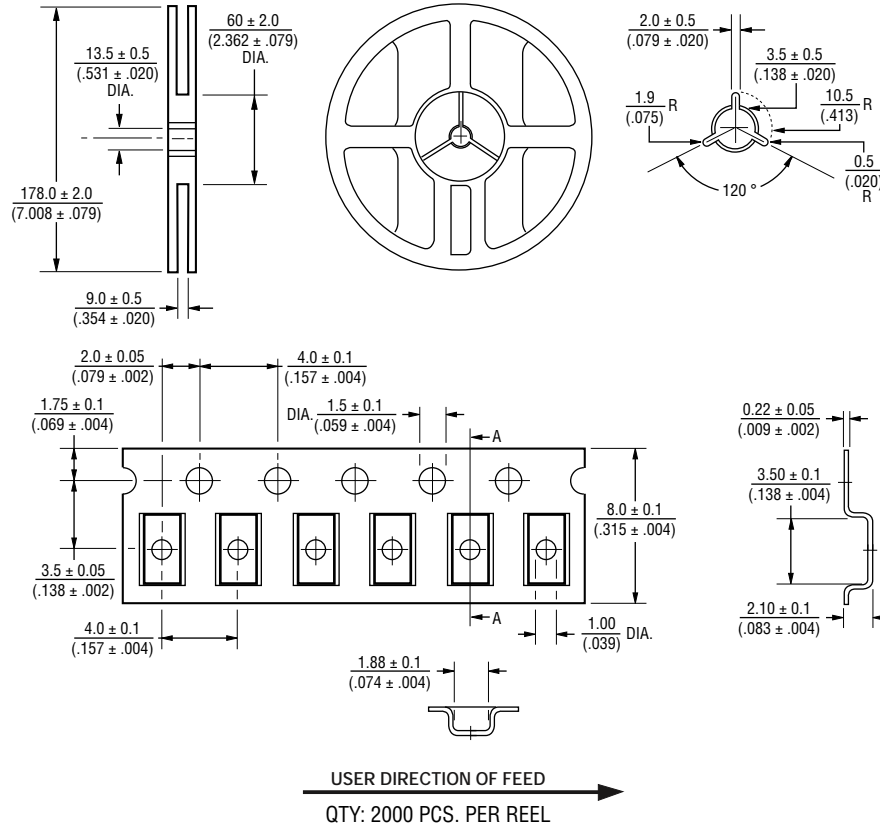
Typical Impedance vs. Frequency Curves (Continued)



SRF3216A Series - Common Mode Chip Inductors

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Packaging Specifications



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REV. 06/24

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