

Features

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

Applications

- Noise suppression
- Personal computers
- Display panels

SRF3216 Series - Common Mode Chip Inductors

Electrical Specifications

| Bourns Part No. | Impedance @ 100 MHz | | Rated Voltage (DC) | Withstanding Voltage (DC) | Insulation Resistance (MΩ) | DCR Max. (Ω) | IDC Max. (mA) |
|-----------------|---------------------|---------------|--------------------|---------------------------|----------------------------|--------------|---------------|
| | (Ω) | Tolerance (%) | | | | | |
| SRF3216-900Y | 90 | ±25 | 50 | 125 | 10 | 0.30 | 400 |
| SRF3216-161Y | 160 | ±25 | 50 | 125 | 10 | 0.35 | 350 |
| SRF3216-221Y | 220 | ±25 | 50 | 125 | 10 | 0.45 | 300 |
| SRF3216-261Y | 260 | ±25 | 50 | 125 | 10 | 0.45 | 300 |
| SRF3216-601Y | 600 | ±25 | 50 | 125 | 10 | 0.80 | 300 |
| SRF3216-102Y | 1000 | ±25 | 50 | 125 | 10 | 1.00 | 230 |
| SRF3216-222Y | 2200 | ±25 | 50 | 125 | 10 | 1.20 | 200 |

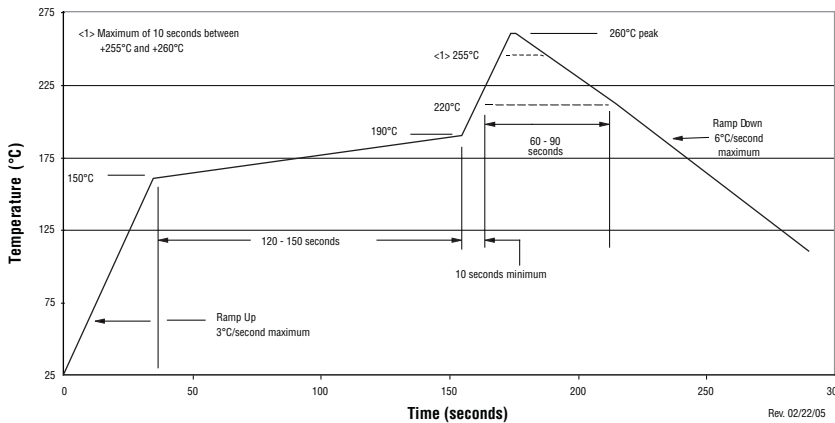
General Specifications

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.

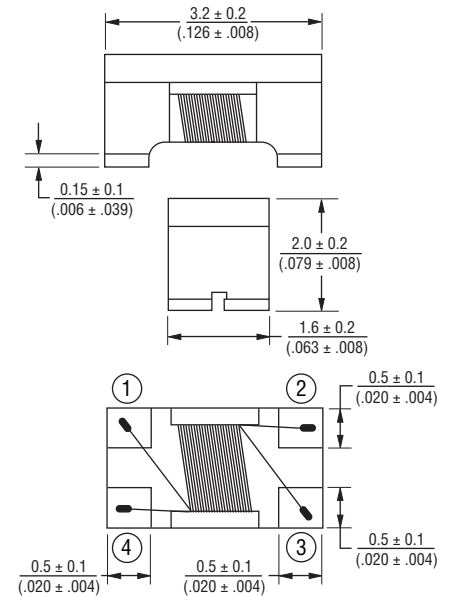
Materials

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

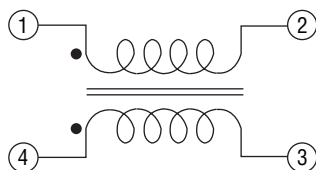
Soldering Profile



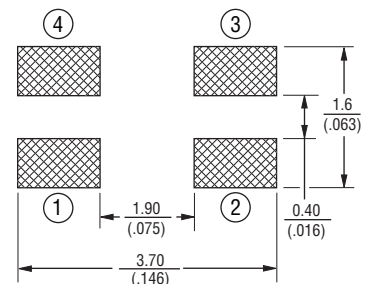
Product Dimensions



Schematic



Recommended Layout



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

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

Specifications are subject to change without notice.

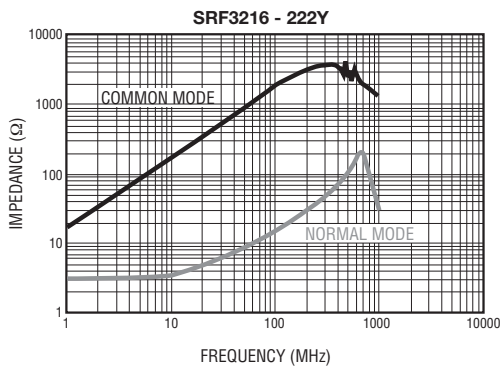
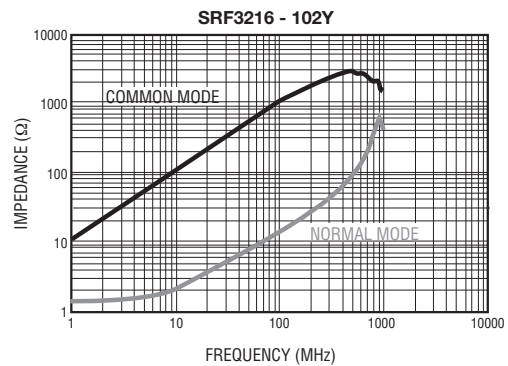
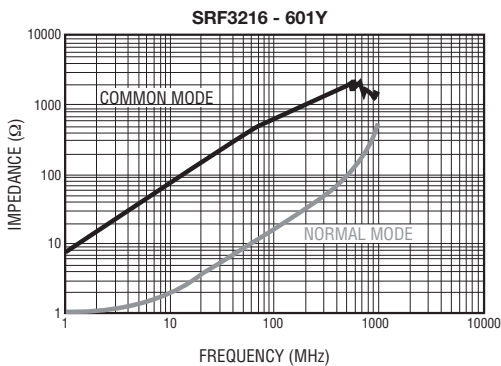
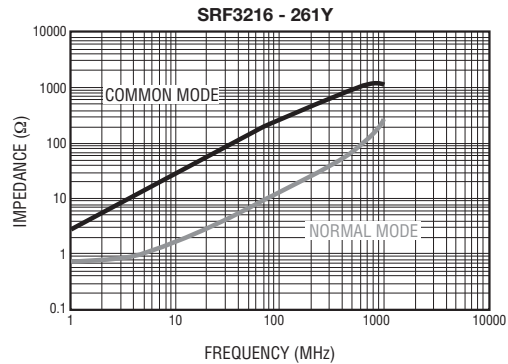
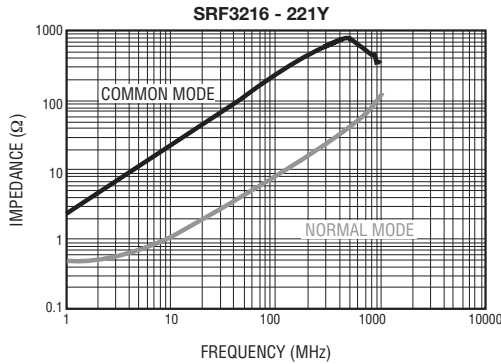
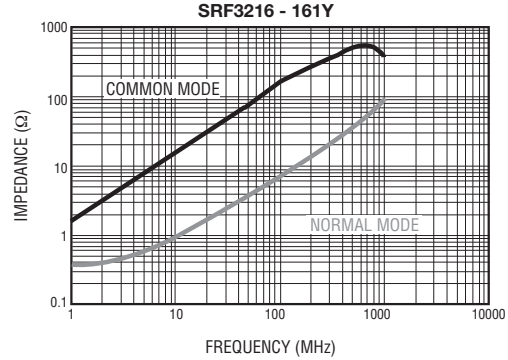
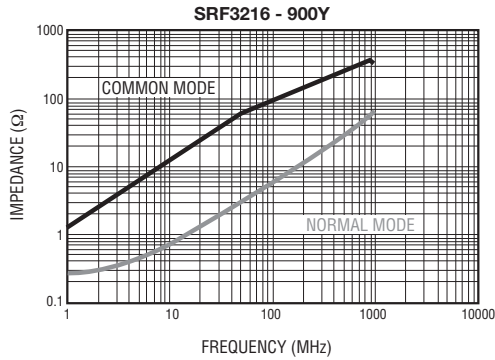
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

SRF3216 Series - Common Mode Chip Inductors

BOURNS®

Impedance vs. Frequency

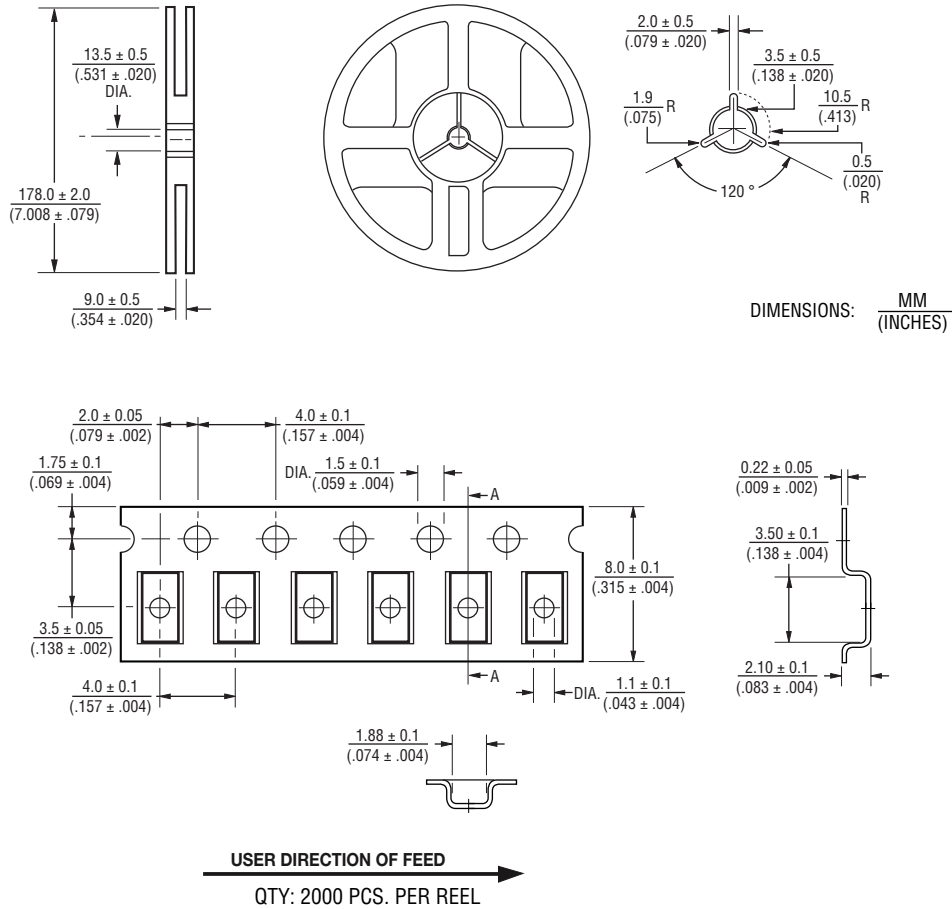


Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

SRF3216 Series - Common Mode Chip Inductors

BOURNS®

Packaging Specifications



REV. 03/13

Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.