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

Applications
- EMI suppression for:
  - Data and signal lines
  - CANbus
  - Automotive electronics
  - Consumer electronics
  - Telecom devices

Electrical Specifications @ 25 °C

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

General Specifications
- Rated Voltage: 50 VDC
- Withstanding Voltage: 125 VDC
- Insulation Resistance: 10 megohms min. @ 100 VDC
- Operating Temperature: -40 °C to +125 °C (Temperature rise included)
- Storage Temperature: -40 °C to +125 °C
- Temperature Rise: 20 °C at rated Irms

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

Product Dimensions

How to Order

<table>
<thead>
<tr>
<th>Schematic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

Recommended Layout

DIMENSIONS: MM (INCHES)

BOURNS

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116
EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211
The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
www.bourns.com

** 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.
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.
**SRF3216A Series - Common Mode Chip Inductors**

**Typical Impedance vs. Frequency Curves**

**SRF3216A - 900Y**

**SRF3216A - 161Y**

**SRF3216A - 221Y**

**SRF3216A - 121Y**

**SRF3216A - 261Y**

**SRF3216A - 361Y**

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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.
SRF3216A Series - Common Mode Chip Inductors

Typical Impedance vs. Frequency Curves (Continued)

SRF3216A - 601Y

SRF3216A - 102Y

SRF3216A - 222Y

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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.
SRF3216A Series - Common Mode Chip Inductors

Packaging Specifications

Dimensions: 

Dimensions: MM
DIMENSIONS: (INCHES)

QTY: 2000 PCS. PER REEL

USER DIRECTION OF FEED

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.