**Features**
- Shielded construction – low radiation
- Separated winding
- High current
- Compact size
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

**Applications**
- EMI suppression – power line
- Noise filters – power line

**SRF1206A Series - Common Mode Chokes**

**Electrical Specifications at 25 °C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Z (Ω) @ 100 MHz</th>
<th>L (µH), N1/N2 @ 100 kHz / 0.1 V</th>
<th>DCR (mΩ), N1/N2, Max.</th>
<th>Irms (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF1206A-701Y</td>
<td>500</td>
<td>700</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>SRF1206A-102Y</td>
<td>750</td>
<td>1000</td>
<td>12.5</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**Soldering Profile**

- Peak Temperature: 245 °C max.
- Max. Peak Temperature -5 °C: 30 sec. max.
- Max. Time Above 217 °C: 60–150 sec. max.

**Recommended Layout**

**Product Dimensions**

**Additional Information**

Click these links for more information:

- Product Selector
- Technical Library
- Inventory
- Samples
- Contact

**General Specifications**

- Rated Voltage: 80 VDC
- Hi-Pot: 500 VAC, 3 mA, 1 Sec.
- Insulation Resistance: 10 MQ (Min.) @ 100 VDC
- Operating Temperature: -40 °C to +125 °C (Temperature rise included)
- Storage Temperature: -40 °C to +125 °C
- Temperature Rise: 40 °C at rated Irms
- MSL: 1
- ESD Classification (HBM): N/A

**Materials**

- Core: Ferrite
- Wire: Enameled copper
- Terminal Finish: Sn
- Packaging: 500 pcs. per 13-inch reel

**WARNING**

Cancer and Reproductive Harm

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)


**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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SRF1206A Series - Common Mode Chokes

**Typical Impedance vs. Frequency Curves**

**SRF1206A-701Y**

![Impedance vs. Frequency Curve SRF1206A-701Y](image)

**SRF1206A-102Y**

![Impedance vs. Frequency Curve SRF1206A-102Y](image)

**Temperature Rise Plots**

**SRF1206A-701Y**

![Temperature Rise Plot SRF1206A-701Y](image)

**SRF1206A-102Y**

![Temperature Rise Plot SRF1206A-102Y](image)

**Electrical Schematic**

![Electrical Schematic](image)

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