SRF3225TAC Series – Common Mode Chip Inductor

**Features**

- Shielded construction – low radiation
- Bifilar wound
- SRF3225TAC-101Y meets IEC 62228-3 CAN-FD Class II
- Extended temperature range: -55 to +150 °C
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

### Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 kHz / 0.1 V (µH)</th>
<th>Leakage Inductance (µH) Max. @ 100 kHz / 0.1 V</th>
<th>DCR (Ω) Max.</th>
<th>IDC (A) Max.</th>
<th>Cp 1-4 (pF) 100 kHz / 0.1 V</th>
<th>Common Mode Impedance (Ω) @ 10 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF3225TAC-110Y</td>
<td>11 -30 / +50</td>
<td>0.10</td>
<td>0.4</td>
<td>0.3</td>
<td>10</td>
<td>550</td>
</tr>
<tr>
<td>SRF3225TAC-220Y</td>
<td>22 -30 / +50</td>
<td>0.12</td>
<td>0.5</td>
<td>0.25</td>
<td>15</td>
<td>2600</td>
</tr>
<tr>
<td>SRF3225TAC-510Y</td>
<td>51 -30 / +50</td>
<td>0.16</td>
<td>0.7</td>
<td>0.2</td>
<td>18</td>
<td>1000</td>
</tr>
<tr>
<td>SRF3225TAC-101Y</td>
<td>100 -30 / +50</td>
<td>0.22</td>
<td>1.5</td>
<td>0.15</td>
<td>15</td>
<td>5100</td>
</tr>
</tbody>
</table>

### Soldering Profile

- Preheating: 245 °C, 20–40 Sec.
- Soldering: Tp (260 °C / 10 Sec. Max.)
- Natural Cooling: Tp (260 °C / 10 Sec. Max.)

- Recommended Layout

### General Specifications

- Rated Voltage: 80 VDC
- Insulation Resistance: 10 MΩ (min.) @ 50 VDC
- Operating Temperature: -55 °C to +150 °C
- Storage Temperature: -55 °C to +150 °C
- Temperature Rise: 20 °C at rated IDC

### Materials

- Core: Ferrite
- Wire: Enamelled copper
- Terminal Finish: Sn

### How to Order

- SRF3225TAC - 101 Y

**Additional Information**

Click these links for more information:

- PRODUCTS
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

**General Specifications**

- 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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Packaging Specifications

Dimensions: MM (INCHES)

USER DIRECTION OF FEED
QTY: 2000 PCS. PER REEL

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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
www.bourns.com

02/21
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