SRF3225AB – Common Mode Chip Inductor

Features
- Shielded construction – low radiation
- Bifilar wound
- Designed to meet 2-wire UTP (Unshielded Twisted Pair) cable automotive audio bus system technology applications
- 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) Typ. @ 100 kHz / 0.1 V</th>
<th>DCR (Ω) Typ.</th>
<th>IDC (A) Typ.</th>
<th>Common Mode Impedance (Ω) @ 10 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF3225AB-101Y</td>
<td>100 ± 50</td>
<td>0.60</td>
<td>3.5</td>
<td>0.1</td>
<td>5500 max. 2000 Typ. Min.</td>
</tr>
</tbody>
</table>

Product Dimensions

Recommended Layout

Electrical Schematic

Soldering Profile

How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Value Code</th>
<th>Tolerance</th>
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<td>SRF3225AB</td>
<td>101Y</td>
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Additional Information

Click these links for more information:

- PRODUCT SELECTOR
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

General Specifications

Rated Voltage ........................................ 50 VDC
Insulation Resistance .................................. 10 MΩ (min.) @ 50 VDC
Operating Temperature .................................... -40 °C to +125 °C (Temperature rise included)
Storage Temperature .................................... -40 °C to +125 °C
Temperature Rise ...... 40 °C at rated IDC

Materials

Core ........................................ Ferrite Wire .................................. Enamelled copper
Terminal Finish ........................................ Sn
Packaging ................. 1200 pcs. per 7-inch reel

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

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** 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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SRF3225AB Series – Common Mode Chip Inductor

Typical Impedance vs. Frequency Curves

![Impedance vs. Frequency Curves Graph]

Temperature Rise Plot

![Temperature Rise Plot Graph]

Packaging Specifications

![Packaging Diagram]

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