SRF3225TABM Series – Common Mode Chip Inductor

Features
- Shielded construction – low radiation
- Bifilar wound
- Meets Open Alliance IEEE 100Base-T1 requirements
- 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) Tol. (%)</th>
<th>Leakage Inductance (µH) Typ. @ 100 KHz / 0.1 V</th>
<th>DCR (Ω) Typ. Max.</th>
<th>IDC (mA) Typ. Max. 100 kHz / 0.1 V</th>
<th>Common Mode Impedance (Ω) @ 10 MHz Typ. Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF3225TABM-201Y</td>
<td>200 +30/-10</td>
<td>0.40</td>
<td>5.5</td>
<td>70</td>
<td>20</td>
</tr>
</tbody>
</table>

Product Dimensions

![Product Dimensions Diagram]

<table>
<thead>
<tr>
<th>Core</th>
<th>Wire</th>
<th>Terminal Finish</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferrite</td>
<td>Enameled copper</td>
<td>Sn</td>
<td>2000 pcs. per 7-inch reel</td>
</tr>
</tbody>
</table>

General Specifications

Rated Voltage ................. 80 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 .................................. Enameled copper
Terminal Finish ....................... Sn
Packaging........... 2000 pcs. per 7-inch reel

Recommended Layout

![Recommended Layout Diagram]

Electrical Schematic

![Electrical Schematic Diagram]

How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Value Code</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF3225TABM - 201 Y</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

WARNING
Cancer and Reproductive Harm
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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Typical Impedance vs. Frequency Curves

![Impedance vs. Frequency Curves Graph]

Packaging Specifications

![Packaging Specification Diagram]

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