Bourns Releases 1210-Size Automotive Grade
Common Mode Chip Inductors

*Model SRF3225AB and SRF3225TAC Series*

*Riverside, California – March 4, 2021* – Bourns Magnetics Product Line is introducing the *Model SRF3225AB* and *SRF3225TAC* 1210-Size Automotive Grade Common Mode Chip Inductor Series. These automotive grade common mode inductors are constructed with a ferrite core and are bifilar-wound delivering a compact size, shielded construction for low radiation and high impedance over a broad frequency range to suppress Electromagnetic Interference (EMI) coming into or leaving the system. The 0.2/0.3 mm height side-wall terminal at each end of the inductor core helps enhance the component’s mechanical strength after it is assembled on the board.

The Model SRF3225AB and SRF3225TAC series are AEC-Q200 compliant for high reliability and durability applications. The Model SRF3225AB was designed for noise suppression in 2-wire UTP (unshielded twisted pair) cable automotive audio bus systems. The SRF3225TAC series is focused on common mode noise suppression for classic CAN and higher data rate CAN-FD Class II applications.

<table>
<thead>
<tr>
<th>Series</th>
<th>Size (mm)</th>
<th>Inductance</th>
<th>Impedance @ 10 MHz</th>
<th>Rated Current</th>
<th>Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF3225AB-101Y</td>
<td>3.2 x 2.5 x 2.5</td>
<td>100 µH</td>
<td>5500 Ω Typ.</td>
<td>0.1 A</td>
<td>-40 to +125 ºC</td>
</tr>
<tr>
<td>SRF3225TAC</td>
<td>3.2 x 2.5 x 2.5</td>
<td>11 – 100 µH</td>
<td>550 - 5100 Ω Typ.</td>
<td>0.15 – 0.3 A</td>
<td>-55 to +150 ºC</td>
</tr>
</tbody>
</table>

- Model SRF3225AB-101Y is designed to meet the requirements of 2-wire UTP cable automotive audio bus system applications
- Model SRF3225TAC-101Y is designed to meet IEC 62228-3 CAN-FD Class II

Customers who are seeking high reliability and durability common mode chip inductors may also consider these two series for design-in and testing in consumer, industrial and other electronics applications.
Features

- Bifilar-wound
- Shielded construction for low radiation
- High impedance, wide EMI suppression frequency range
- AEC-Q200 compliant
- Meets IEC 62228-3 standard (Model SRF322STAC-101Y)
- RoHS compliant* and Halogen free**

Applications

- Noise filters
- EMI suppression for data and signal lines
- 2-wire UTP cable automotive audio bus systems
- CAN and CAN-FD Class II

Please visit the Bourns website at www.bourns.com/products/magnetic-products/common-mode-chip-inductors-aec-q200-compliant for additional information and contact Bourns Customer Service/Inside Sales if you have any questions.

** 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.