Features
- Semi-shielded construction
- Inductance range: 0.47 to 22 µH
- Rated current up to 3.2 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

**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.

This series is currently available but not recommended for new designs. A possible alternative is the Model SRN4012BTA.

### SRN4012TA Series - Semi-shielded Power Inductors

#### Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 1 V</th>
<th>Q (Min.)</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (Ω) ±20 %</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
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<tr>
<td>SRN4012TA-R47M</td>
<td>0.47 ±20</td>
<td>6</td>
<td>140</td>
<td>0.025</td>
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<tr>
<td>SRN4012TA-1R0M</td>
<td>1.0 ±20</td>
<td>6</td>
<td>100</td>
<td>0.042</td>
<td>2.2</td>
<td>2.8</td>
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<tr>
<td>SRN4012TA-1R2M</td>
<td>1.2 ±20</td>
<td>6</td>
<td>90</td>
<td>0.05</td>
<td>3.7</td>
<td>5.6</td>
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<tr>
<td>SRN4012TA-1R5M</td>
<td>1.5 ±20</td>
<td>6</td>
<td>90</td>
<td>0.05</td>
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<td>SRN4012TA-2R2M</td>
<td>2.2 ±20</td>
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<td>70</td>
<td>0.06</td>
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<td>SRN4012TA-3R3M</td>
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<td>60</td>
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<td>SRN4012TA-4R7M</td>
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<td>35</td>
<td>0.125</td>
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<td>10 ±20</td>
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<td>SRN4012TA-150M</td>
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<td>24</td>
<td>0.26</td>
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<td>SRN4012TA-220M</td>
<td>22 ±20</td>
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<td>18</td>
<td>0.4</td>
<td>0.62</td>
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#### Electrical Schematic

How to Order

**SRN4012TA - 100M**

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**WARNING** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
Inductance vs. Current

SRN4012TA Series - Semi-shielded Power Inductors

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SRN4012TA Series - Semi-shielded Power Inductors

Packaging Specifications

USER DIRECTION OF FEED
QTY: 4500 PCS. PER REEL

REV. 07/22
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