Features
- Semi-shielded construction
- Inductance range: 1 to 47 µH
- Rated current up to 2.2 A
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRN3015TA Series - Semi-shielded Power Inductors

Operating Temperature
-40 °C to +125 °C (Temperature rise included)
Storage Temperature
-40 °C to +125 °C Temperature Rise
Failure In Time (FIT) 24.7/10^9 hours
Mean Time Between Failures (MTBF) 40.4 x 10^6 hours
Moisture Sensitivity Level

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 0.1 V</th>
<th>Q (Min.)</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (Ω) ±20 %</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRN3015TA-1R0Y</td>
<td>1.0 ±30</td>
<td>12</td>
<td>100</td>
<td>0.03</td>
<td>2.2</td>
<td>2.2</td>
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<tr>
<td>SRN3015TA-1R5Y</td>
<td>1.5 ±30</td>
<td>12</td>
<td>87</td>
<td>0.04</td>
<td>2</td>
<td>2</td>
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<tr>
<td>SRN3015TA-2R2M</td>
<td>2.2 ±20</td>
<td>12</td>
<td>64</td>
<td>0.06</td>
<td>1.7</td>
<td>1.7</td>
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<tr>
<td>SRN3015TA-3R3M</td>
<td>3.3 ±20</td>
<td>12</td>
<td>49</td>
<td>0.08</td>
<td>1.4</td>
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<tr>
<td>SRN3015TA-4R7M</td>
<td>4.7 ±20</td>
<td>12</td>
<td>40</td>
<td>0.12</td>
<td>1.2</td>
<td>1.2</td>
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<tr>
<td>SRN3015TA-6R8M</td>
<td>6.8 ±20</td>
<td>12</td>
<td>36</td>
<td>0.16</td>
<td>1</td>
<td>1</td>
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<tr>
<td>SRN3015TA-100M</td>
<td>10 ±20</td>
<td>12</td>
<td>28</td>
<td>0.22</td>
<td>0.8</td>
<td>0.75</td>
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<tr>
<td>SRN3015TA-150M</td>
<td>15 ±20</td>
<td>12</td>
<td>23</td>
<td>0.32</td>
<td>0.7</td>
<td>0.65</td>
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<tr>
<td>SRN3015TA-180M</td>
<td>18 ±20</td>
<td>12</td>
<td>21</td>
<td>0.41</td>
<td>0.65</td>
<td>0.6</td>
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<tr>
<td>SRN3015TA-220M</td>
<td>22 ±20</td>
<td>12</td>
<td>20</td>
<td>0.46</td>
<td>0.6</td>
<td>0.55</td>
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<tr>
<td>SRN3015TA-330M</td>
<td>33 ±20</td>
<td>12</td>
<td>18</td>
<td>0.8</td>
<td>0.45</td>
<td>0.4</td>
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<tr>
<td>SRN3015TA-470M</td>
<td>47 ±20</td>
<td>12</td>
<td>17</td>
<td>1.2</td>
<td>0.4</td>
<td>0.35</td>
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</tbody>
</table>

Materials
- Core: Ferrite Wire
- Terminal Finish: Enamelled copper Sn Coating
- Magnetic epoxy resin Packaging: 2000 pcs. per 7-inch reel

Soldering Profile

Electrical Schematic

How to Order
Model: SRN3015TA - 100M
Value Code (see table)

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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SRN3015TA Series - Semi-shielded Power Inductors

Inductance vs. Current

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SRN3015TA Series - Semi-shielded Power Inductors

Packaging Specifications

DIMENSIONS:

QTY: 2000 PCS. PER REEL

REV. 06/22

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