SRN5030HA Series - Semi-shielded Power Inductors

Features
- Semi-shielded construction
- High operating temperature
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 0.1 V L (uH)</th>
<th>Q Typ.</th>
<th>Q Test Freq. (MHz)</th>
<th>SRF (MHz)</th>
<th>DCR (mΩ)</th>
<th>Irms (A) Typ.</th>
<th>Isat (A) Typ.</th>
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</thead>
<tbody>
<tr>
<td>SRN5030HA-R47Y</td>
<td>0.47</td>
<td>30</td>
<td>14.0</td>
<td>7.96</td>
<td>171.0</td>
<td>12.0</td>
<td>7.00</td>
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<td>SRN5030HA-1R0Y</td>
<td>1.00</td>
<td>30</td>
<td>14.0</td>
<td>7.96</td>
<td>124.0</td>
<td>18.0</td>
<td>5.00</td>
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<td>SRN5030HA-1R5Y</td>
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<td>67.0</td>
<td>26.0</td>
<td>4.20</td>
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<td>7.96</td>
<td>57.0</td>
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<tr>
<td>SRN5030HA-4R7Y</td>
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<td>39.0</td>
<td>53.0</td>
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<td>SRN5030HA-100M</td>
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<td>18.0</td>
<td>2.52</td>
<td>24.0</td>
<td>105.0</td>
<td>1.70</td>
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<td>7.0</td>
<td>1400.0</td>
<td>0.45</td>
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</table>

General Specifications
- Operating Temperature: -55 °C to +150 °C (Temperature rise included)
- Storage Temperature (Component): -55 °C to +150 °C
- Temperature Rise: 40 °C at rated Irms
- Rated Current: Inductance drops 30 % at Isat
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

Materials
- Core: Ferrite
- Wire: Enamelled copper
- Terminal Finish: Sn/Ag/Cu
- Coating: Magnetic epoxy resin

Product Dimensions
- 600 pcs. per 7-inch reel

Soldering Profile

Additional Information
Click these links for more information:

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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Inductance vs. IDC and Temperature Rise vs. IDC

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Packaging Specifications

Dimensions: MM (Inches)

Leader: No component
200 (7.874) min.

Components:
1R0

Trailer: No component
400 (15.748) min.

User direction of feed
QTY: 600 PCS PER REEL

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