Features
- Semi-shielded construction
- Inductance range: 1.5 to 47 µH
- Rated current up to 3.6 A
- RoHS compliant* and halogen free**

Applications
- DC/DC converters
- Notebook computers
- Digital video cameras
- HDDs
- Cellphones
- Televisions, LCD displays

SRN5040 Series - Semi-shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 KHz / 1 V</th>
<th>Q (Ref.)</th>
<th>Test Freq. (MHz)</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (Ω) Max.</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
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<tr>
<td>SRN5040-1R5Y</td>
<td>1.5</td>
<td>30</td>
<td>15</td>
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General Specifications

Operating Temperature
- -40 °C to +125 °C (Temperature rise included)
Storage Temperature (Component)
- -40 °C to +125 °C
Resistance to Solder Heat
- +260 °C for 10 sec.
Temperature Rise
- -40 °C at rated Irms
Rated Current
- Inductance drops 30 % at Isat

Materials
Core.................................Ferrite
Wire............................Enameled copper
Terminal Finish .....................Sn
Coating .........................Magnetic epoxy resin
Packaging.....................1000 pcs. per 13-inch reel

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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SRN5040 Series - Semi-shielded Power Inductors

Soldering Profile

Packaging Specifications

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