Features
- Semi-shielded construction
- High inductance
- Inductance range: 10 to 470 µH
- High rated current - up to 5.4 A
- RoHS compliant* and halogen free**

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

SRN1060 Series - Semi-shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 1 V L (µH)</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>SRN1060-100M</td>
<td>10</td>
<td>20</td>
<td>25</td>
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<td>1.00</td>
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</table>

Soldering Profile

Temperature Rising Area
- Peak Temperature: 245 °C ±5 °C max., 30 sec. max.
- Maximum Time Above 217 °C: 60-150 seconds

Preheat Area
- Time (Seconds)
- Reflow Area
- Time (Seconds)
- Reflow Cooling Area
- Peak Temperature: 245 °C ±5 °C max., 30 sec. max.

General Specifications

Operating Temperature
- -40 °C to +125 °C (Temperature rise included)

Storage Temperature
- -40 °C to +125 °C

Resistance to Solder Heat
- +245 °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/Ag/Cu
- Coating: Magnetic epoxy resin

Packaging
- 600 pcs. per 13-inch reel

How to Order
- Model: SRN1060 - 100M
- Value Code (see table)

Electrical Schematic

Recommended Layout

Dimensions: MM (INCHES)

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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