SRU5011 Series - Shielded SMD Power Inductors

**Features**
- Available in E6 series
- Unit height of 1.1 mm
- Current up to 1800 mA
- RoHS compliant*

**Applications**
- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 KHz L(μH)</th>
<th>Tol. (%)</th>
<th>Q Ref.</th>
<th>Test Freq. (MHz)</th>
<th>SRF Min. (MHz)</th>
<th>RDC (mΩ)</th>
<th>I rms Max. (A)</th>
<th>I sat Typ. (A)</th>
<th>**K- Factor</th>
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<tbody>
<tr>
<td>SRU5011-1R5Y</td>
<td>1.5 ±30</td>
<td>8</td>
<td>8</td>
<td>7.96</td>
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**Core Loss vs. Flux Density**

- Core Loss (mW) vs. Flux Density (Bp-p, gauss)

**General Specifications**
- Test Voltage: 0.1 V
- Reflow Soldering: 230 °C, 50 sec. max.
- Operating Temp.: -40 °C to +125 °C (Temperature rise included)
- Storage Temperature: -40 °C to +125 °C
- Moisture Sensitivity Level: 1

**Materials**
- Core: Ferrite DR and RI core
- Wire: Enamelled copper
- Terminal: Ag/Ni/Sn
- Rated Current: Ind. drop 35 % typ. at Isat
- Temp. Rise: 25 °C max. at rated Irms

**Product Dimensions**
- **Electrical Schematic**
- **Inductor Connection**

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**WARNING** Cancer and Reproductive Harm
www.P65Warnings.ca.gov
SRU5011 Series - Shielded SMD Power Inductors

Packaging Specifications

QTY: 1500 PCS. PER REEL

USER DIRECTION OF FEED

DIMENSIONS: MM (INCHES)

REV. 03/18

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