SRU6013 Series - Shielded SMD Power Inductors

**Features**
- Maximum height of 1.60 mm
- Current up to 3.2 A
- RoHS compliant*

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

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 KHz (μH)</th>
<th>Tol. (%)</th>
<th>Q Ref.</th>
<th>Test Freq. (MHz)</th>
<th>SRF Typ. (kHz)</th>
<th>RDC Max. (mΩ)</th>
<th>I rms Max. (A)</th>
<th>I sat Typ. (A)</th>
<th><strong>K-Factor</strong></th>
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<tr>
<td>SRU6013-1R0Y</td>
<td>1.0</td>
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**Core Loss vs. Flux Density**

*K-Factor: To calculate core flux density, Bp-p (gauss) = K x L(μH) x Δ I (peak-to-peak ripple current, A), determine core loss from Core Loss vs. Flux Density plot.

**Materials**
- Core: Ferrite DR and RI core
- Wire: Enamelled copper
- Terminal: Ag/Ni/Sn
- Rated Current: Ind. drop 35% typ. at Isat Temp.
- Rise: 40 °C max. at rated Irms

**Recommended Layout**

**WARNING** Cancer and Reproductive Harm
www.P65Warnings.ca.gov


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PACKAGING SPECIFICATIONS

DIMENSIONS: MM (INCHES)

QTY: 1,000 PCS. PER REEL
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