SRU2009 Series - Shielded SMD Power Inductors

**Features**
- Maximum height of 1.0 mm
- Current up to 1.45 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 No.</th>
<th>Inductance 100 KHz (μH)</th>
<th>Tol. %</th>
<th>Q Ref.</th>
<th>Test Freq. (MHz)</th>
<th>SRF Typ. (MHz)</th>
<th>RDC Max. (mΩ)</th>
<th>Irms Max. (A)</th>
<th>Isat Typ. (A)</th>
<th>Marking</th>
<th>**K-Factor</th>
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</thead>
<tbody>
<tr>
<td>SRU2009-1R0Y</td>
<td>1.0 ±30</td>
<td>7</td>
<td>7</td>
<td>7.96</td>
<td>200</td>
<td>110</td>
<td>1.45</td>
<td>1.30</td>
<td>A</td>
<td>2653</td>
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<tr>
<td>SRU2009-2R2Y</td>
<td>2.2 ±30</td>
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<td>7</td>
<td>7.96</td>
<td>120</td>
<td>210</td>
<td>1.10</td>
<td>0.80</td>
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<td>7</td>
<td>7.96</td>
<td>100</td>
<td>320</td>
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<td>0.60</td>
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<td>SRU2009-4R4Y</td>
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<td>85</td>
<td>430</td>
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<td>0.50</td>
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<td>SRU2009-6R8Y</td>
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<td>7</td>
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<td>70</td>
<td>650</td>
<td>0.52</td>
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<td>SRU2009-100Y</td>
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<td>50</td>
<td>1080</td>
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<td>0.35</td>
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<td>SRU2009-150Y</td>
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<td>SRU2009-220Y</td>
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</tbody>
</table>

**Core Loss vs. Flux Density**

**Core Loss vs. Flux Density**

**Materials**
- Core: Ferrite DR and RI core
- Wire: Enameled copper
- Terminal: Ag/Ni/Sn
- Rated Current: Ind. drop 35 % typ. at Isat
- Temperature Rise: 40 °C max. at rated Irms
- Storage Temperature: -40 °C to +125 °C
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

**Product Dimensions**

**Warning** Cancer and Reproductive Harm

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SRU2009 Series - Shielded SMD Power Inductors

Specifications

QTY: 1500 PCS. PER REEL

EMBOSSED CARRIER
EMBOSSED CAVALY
COVER TAPE

USER DIRECTION OF FEED

QTY: 1500 PCS. PER REEL

DIMENSIONS:

REV. 03/18

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