Features
- Maximum height of 1.5 mm
- Current up to 2.2 A
- RoHS compliant*

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

SRU2013 Series - Shielded SMD Power Inductors

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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<tbody>
<tr>
<td>SRU2013-1R0Y</td>
<td>1.0 ±30</td>
<td>9</td>
<td>7.96</td>
<td>180</td>
<td>65</td>
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<td>1.60</td>
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<td>7.96</td>
<td>100</td>
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<td>0.75</td>
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<td>7.96</td>
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<td>SRU2013-150Y</td>
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<td>0.46</td>
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<tr>
<td>SRU2013-220Y</td>
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**K-Factor: To calculate core flux density, Bp-p (gauss) = K x μ x I x A I (peak-to-peak ripple current, A), determine core loss from *Core Loss vs. Flux Density* plot.

Core Loss vs. Flux Density

![Graph showing core loss vs. flux density](image)

Core Loss vs. Flux Density

**WARNING** Cancer and Reproductive Harm

www.P65Warnings.ca.gov
SRU2013 Series - Shielded SMD Power Inductors

Packaging Specifications

Dimensions: MM (INCHES)

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