**Features**
- Available in E6 series
- Unit height of 2.8 mm
- Current up to 3.5 A
- RoHS compliant*

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

**SRU5028 Series - Shielded SMD Power Inductors**

<table>
<thead>
<tr>
<th>Electrical Specifications</th>
<th>Part Number</th>
<th>Inductance @ 100 KHz</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><strong>K-Factor</strong></th>
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<tr>
<td>SRU5028-1R2Y</td>
<td>1.2 ±30</td>
<td>10</td>
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<td>200</td>
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<td>3.50</td>
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**General Specifications**
- Test Voltage: 0.1 V
- Reflow Soldering: 230 °C, 50 sec. max.
- Operating Temp.: -40 °C to +125 °C
- Storage Temp.: -40 °C to +125 °C
- Moisture Sensitivity Level: N/A

**Materials**
- Core: Ferrite DR and RI core
- Wire: Enamelled copper
- Terminal: Ag/Ni/Sn

**Recommended Layout**

**Electrical Schematic**

**Inductor Connection**

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**WARNING** Cancer and Reproductive Harm

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
SRU5028 Series - Shielded SMD Power Inductors

Packaging Specifications

DIMENSIONS: MM (INCHES)

REV. 03/18
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