SRU1038A Series - Shielded Power Inductors

**Features**
- Shielded construction
- Inductance range: 1.5 to 330 µH
- Heating current up to 7.2 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

**Bourns**

**Part Number**

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 KHz / 1 V</th>
<th>Q (Ref.)</th>
<th>Test Freq. (MHz)</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>I rms (A)</th>
<th>I sat (A)</th>
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<tr>
<td>SRU1038A-1R5Y</td>
<td>1.5 ±30</td>
<td>14</td>
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**How to Order**

SRU1038A - 100Y

Model _______________

Value Code (see table)

**Electrical Schematic**

**Inductor Connection**

**How to Order**

SRU1038A - 100Y

Model _______________

Value Code (see table)

**Operating Temperature**

-40 °C to +125 °C (Temperature rise included)

**Storage Temperature**

-40 °C to +125 °C

**Temperature Rise**

-40 °C typ. at rated I rms

**Inductance Drop**

35 % typ. at I sat

**Materials**

Core: Ferrite Wire: Enameled copper Terminal Finish: Ag/Ni/Sn

**Packaging**

800 pcs. per reel

**Product Dimensions**

**Recommended Layout**

**Electrical Specifications @ 25 °C**

**General Specifications**

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

** Bourns considers a product to be “halogen free” if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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