**Features**
- Shielded construction
- Metal alloy powder core
- High saturation current
- Low buzz noise
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

## SRP1038AA Series - Shielded Power Inductors

### Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 KHz / 1 V</th>
<th>Q (Typ.) @ 100 KHz / 1 V</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (mΩ) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>Irms (A) Typ.</th>
<th>Isat (A) Typ.</th>
<th>Terminal Type</th>
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</table>

### Additional Information

Click these links for more information:
- PRODUCT
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

### General Specifications

- **Operating Temp.** ......−55 °C to +155 °C (Temperature rise included)
- **Storage Temperature (Component)** .........................−55 °C to +155 °C
- **Rated Current** ............................................ N/A
  - Inductance drops 30 % at Isat Temperature Rise...
  - 40 °C at rated Irms
  - Moisture Sensitivity Level.........................1
  - ESD Classification (HBM)...............N/A

### Materials

- Core........................................Metal alloy powder Wire ..................Enameled copper
- Terminal Finish .................................Sn
- Packaging........500 pcs. per 13-inch reel

Please consult Bourns® Model SRP-A Series Visual Inspection Guide for detailed construction, processing and testing information.

### Recommended Layout

**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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L vs. I Charts

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SRP1038AA Series - Shielded Power Inductors

L vs. I Charts (continued)

Soldering Profile

How to Order

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SRP1038AA Series - Shielded Power Inductors

Packaging Specifications

QTY: 500 PCS. PER REEL

Dimensions: MM (INCHES)

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The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com
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