Features
- Shielded construction for low radiation
- Metal alloy powder core for high saturation current
- Wide side terminal for enhanced mechanical strength
- High vibration resistance (15 G typical)
- High operating temperature
- Low buzz noise
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRP5030WA Series - Shielded Power Inductors

**RoHS COMPLIANT, **HALOGEN FREE & AEC-Q200 COMPLIANT

Features

- Shielded construction for low radiation
- Metal alloy powder core for high saturation current
- Wide side terminal for enhanced mechanical strength
- High vibration resistance (15 G typical)
- High operating temperature
- Low buzz noise
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Additional Information

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

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 1 V</th>
<th>Q Typ. @ 100 kHz</th>
<th>SRF (MHz)</th>
<th>DCR (mΩ)</th>
<th>DCR (mΩ) Max.</th>
<th>Ims Typ.</th>
<th>Isat (A) Typ.</th>
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<td>0.68 @ 20 20 20 72 8.5 9.7 12 11.7</td>
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</tbody>
</table>

General Specifications

- **Operating Temperature**
  - -55 °C to +165 °C (Temperature rise included)
- **Storage Temperature (Component)**
  - -55 °C to +165 °C
- **Temperature Rise**
  - 40 °C at rated I_{rms}
- **Rated Current**
  - Inductance drops 30 % at I_{sat}
- **Moisture Sensitivity Level**
  - 1
- **ESD Classification (HBM)**
  - N/A

Materials

- Core: Metal alloy powder
- Wire: Enamelled copper
- Terminal Finish: Sn
- Packaging: 2000 pcs. per 13-inch reel

Soldering Profile

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

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SRP5030WA Series - Shielded Power Inductors

Electrical Schematic

How to Order
SRP5030WA - R68M
Model
Value Code (see table)

Recommended Layout

Product Dimensions

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SRP5030WA Series - Shielded Power Inductors

L vs. I Charts

SRP5030WA-R68M

SRP5030WA-1R0M

SRP5030WA-1R5M

SRP5030WA-2R2M

SRP5030WA-3R3M

SRP5030WA-4R7M

SRP5030WA-5R6M

SRP5030WA-6R8M

SRP5030WA-100M

SRP5030WA-150M

SRP5030WA-220M

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