Features

- Shielded construction for low radiation
- High operating temperature
- Metal alloy powder core for high saturation current
- Low buzz noise
- Wide side terminal for enhanced mechanical strength
- AEC-Q200 compliant
- RoHS compliant* and halogen free**
- High vibration resistance (15 G typical, 30 G peak)

SRP7050WA Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 1 V L (µH)</th>
<th>Tol. %</th>
<th>Q Typ. @ 100 kHz</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (mΩ) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>I_{rms} (A) Typ.</th>
<th>I_{last} (A) Typ.</th>
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Soldering Profile

**HALOGEN FREE & AEC-Q200 COMPLIANT

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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SRP7050WA Series - Shielded Power Inductors

Electrical Schematic

How to Order

Model: SRP7050WA - 1R0M
Value Code (see table)

Recommended Layout

Product Dimensions

Recommended Layout

L vs. I Charts

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L vs. I Charts (Continued)

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