Features
- Shielded construction
- Flat wire
- Unit height of 2 mm
- Inductance range: 0.22 to 5.6 μH
- Rated current up to 10 A
- RoHS compliant*

SRP4020 Series - Shielded Power Inductors

Electrical Specifications

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance L (μH) ±20 %</th>
<th>I rms (A)</th>
<th>I sat (A)</th>
<th>DCR (mΩ) Max.</th>
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</thead>
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<tr>
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</tbody>
</table>

General Specifications
- Test Voltage: 0.25 V
- Test Frequency: 100 KHz
- Reflow Soldering: 230 °C; 50 sec. max.
- Operating Temperature: -55 °C to +125 °C (Temperature rise included)
- Storage Temperature: -55 °C to +125 °C

Materials
- Core: Iron
- Wire: Enamelled copper
- Terminal: Cu/Sn

Rated Current: Ind. drops 20 % at Isat
Temperature Rise: 40 °C at rated Irms

Packaging: 2000 pcs. per 13-inch reel

Soldering Profile

Product Dimensions

<table>
<thead>
<tr>
<th>2R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8 MAX</td>
</tr>
<tr>
<td>4.0 ± 0.2</td>
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<tr>
<td>0.0 - 0.3</td>
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</tbody>
</table>

Electrical Schematic

Recommended Layout

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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.
SRP4020 Series - Shielded Power Inductors

Specifications

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SRP4020 Series - Shielded Power Inductors

L vs. I Charts

- SRP4020-1R5M
- SRP4020-2R2M
- SRP4020-3R3M
- SRP4020-4R7M
- SRP4020-5R6M

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