Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Low buzz noise
- Flat wire
- RoHS compliant* and halogen free**

SRP0515 Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 kHz / 1 V L (µH) Typ.</th>
<th>Q Test Freq, (MHz)</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>
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<td>SRP0515-R47K</td>
<td>0.47</td>
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</tbody>
</table>

Product Dimensions

Recommended Layout

...Recommended Layout Image...

Electrical Schematic

...Electrical Schematic Image...

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Additional Information

Click these links for more information:

PRODUCT  TECHNICAL  INVENTORY  SAMPLES  CONTACT

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General Specifications

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

Storage Temperature (Component)
----------------------------------------------
-40 °C to +125 °C

Rated Current

...Rated Current Calculation...

Rated Voltage

...50 V...

Moisture Sensitivity Level

...1...

ESD Classification (HBM)

...N/A...

Note 1: Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

Materials

Core..........................Metal alloy powder
Wire .........................Enamelled copper
Terminal Finish ..................Sn
Packaging..............3000 pcs. per 13-inch reel

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

How to Order

SRP0515 - 4R7K

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** 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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WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov
SRP0515 Series - Shielded Power Inductors

L vs. I Charts

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Soldering Profile

Peak Temperature: 260 °C max.
Max. Peak Temperature -5 °C: 30 sec. max.
Max. Time Above 217 °C: 60~150 sec. max.

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