Features
- Wirewound construction
- Iron powder core
- Magnetically shielded construction provides low radiation
- Low DC resistance
- Low profile
- RohS compliant*

Applications
- DC/DC converters for:
  - Smart phones
  - DVC/DSCs
  - Tablets
  - HDD/SSDs
  - Mobile electronic devices

SRP2010 Series - SMD Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance (μH)</th>
<th>DCR (mΩ) Max.</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
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<tbody>
<tr>
<td>SRP2010-R24M</td>
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<td>5.6</td>
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</tbody>
</table>

How to Order
SRP2010 - 1ROM

Model: SRP2010
Value Code (see table)

Soldering Profile

Electrical Schematic

General Specifications
Inductance Test Frequency/Voltage: 1 MHz/1 V
Operational Temperature: -40 °C to +125 °C (Temperature rise included)
Storage Temperature: -50 °C to +125 °C
Rated Current: Inductance drops 30% at Isat
Temperature Rise: 40 °C at rated Irms
Resistance to Soldering Heat: +260 °C

Materials
Core: Iron powder
Terminal: Ni/Sn
Packaging: 3000 pcs. per 7-inch reel

Product Dimensions

Recommended Layout

*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.

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

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Packaging Specifications

DIMENSIONS: MM

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EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211
The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700
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