Features

- Shielded construction
- Carbonyl powder core
- High saturation current
- Inductance range: 0.15 to 22 µH
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

Applications

- Automotive systems:
  - Driver assistant
  - Information
  - Entertainment
  - Lighting
- DC/DC converters
- Power supplies

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Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 KHz / 1 V</th>
<th>Q (Min.) @ 100 KHz / 1 V</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (mΩ) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
<th>Terminal Type</th>
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<tbody>
<tr>
<td>SRP5015TA-R15Y</td>
<td>0.15 ± 30</td>
<td>5</td>
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<td>3.6</td>
<td>4.1</td>
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<td>180</td>
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<td>4.2</td>
<td>15</td>
<td>22.5</td>
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<td>165</td>
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<td>1.7</td>
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</tbody>
</table>

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General Specifications

- **RoHS COMPLIANT**
- **HALOGEN FREE**

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How to Order

Model: SRP5015TA - 100 M
Value Code (see table)
Tolerance Code

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Soldering Profile

- Preheating: 480 Sec. Max.
- Soldering: Tp (260 °C / 10 Sec. Max.)
- Natural Cooling: 2R2

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Applications

- Automotive systems:
  - Driver assistant
  - Information
  - Entertainment
  - Lighting
- DC/DC converters
- Power supplies

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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.**

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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SRP5015TA Series - Shielded Power Inductors

L vs. I Charts (Continued)

Packaging Specifications

Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.