### Features
- Shielded construction
- Unit height of 3.7 mm
- Inductance range: 0.1 to 10 μH
- Current up to 43 A
- RoHS compliant*

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### SRP1235 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>
<th>SRF (MHz) Typ.</th>
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<tr>
<td>SRP1235-R10M</td>
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#### General Specifications

- **Test Voltage**: 1 V
- **Test Frequency**: 100 KHz
- **Reflow Soldering**: 230 °C; 50 sec. max.
- **Operating Temperature**: -40 °C to +125 °C
- **Storage Temperature (On Board)**: -40 °C to +125 °C
- **Moisture Sensitivity Level**: 1
- **ESD Classification (HBM)**: N/A

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

#### Product Dimensions

- **Height**: 1.729 mm (0.068 in)
- **Width**: 1.0 mm (0.039 in)
- **Length**: 1.0 mm (0.039 in)

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