**Features**
- Available in E6 series
- High inductance up to 10 mH
- Low 6.0 mm profile
- Gull wing leads
- RoHS compliant*

**Applications**
- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs

---

**SRR0906 Series - SMD Shielded Power Inductors**

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance 1 kHz µH</th>
<th>Q Ref.</th>
<th>Test Frequency (MHz)</th>
<th>SRF Min. (MHz)</th>
<th>RDC Max. (Ω)</th>
<th>I rms Max. (A)</th>
<th>I sat Max. (A)</th>
<th><strong>K</strong>-Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRR0906-220ML</td>
<td>0.796 ±0.20</td>
<td>23</td>
<td>7.96</td>
<td>85.00</td>
<td>0.032</td>
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**General Specifications**

**Test Voltage**.........................1 V

**Reflow Soldering**.. 230 °C, 50 sec. max.

**Operating Temperature**.........................-40 °C to +125 °C

(Temperature rise included)

**Storage Temperature**.. -40 °C to +125 °C

**Resistance to Soldering Heat**.........................260 °C for 5 sec.

**Moisture Sensitivity Level**.........................1

**ESD Classification (HBM)**.........................N/A

**Materials**
- Core.........................Ferrite DR & RI Wire
- Enamed copper Base
- LCP Terminal
- Epoxy resin Adhesive
- Ind. drop of 10 % typ. at Isat
- Temp. Rise.. 40 °C max. at rated Irms
- Packaging.........................600 pcs. per reel

**Product Dimensions**

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**Recommended Layout**

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**Schematic**

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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.
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