**Features**
- Available in E6 series
- Low unit height of 4.8 mm
- High current
- RoHS compliant*

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

---

**SRR0604 Series - Shielded Power Inductors**

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance (µH)</th>
<th>Q Ref.</th>
<th>Test Frequency (MHz)</th>
<th>SRF Min. (MHz)</th>
<th>RDC Max. (Ω)</th>
<th>Irms Max. (A)</th>
<th>Isat Typ. (A)</th>
<th>**K-Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRR0604-1R5ML</td>
<td>1.5 ±20</td>
<td>23</td>
<td>7.96</td>
<td>110.0</td>
<td>0.028</td>
<td>2.80</td>
<td>3.95</td>
<td>351</td>
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<td>SRR0604-2R2ML</td>
<td>2.2 ±20</td>
<td>21</td>
<td>7.96</td>
<td>100.0</td>
<td>0.032</td>
<td>2.50</td>
<td>3.50</td>
<td>310</td>
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<tr>
<td>SRR0604-2R5ML</td>
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<td>21</td>
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<td>0.035</td>
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<td>SRR0604-3R3ML</td>
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<td>0.050</td>
<td>2.30</td>
<td>2.90</td>
<td>251</td>
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<td>SRR0604-4R7ML</td>
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<td>0.060</td>
<td>2.00</td>
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<td>37.0</td>
<td>0.070</td>
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<td>0.12</td>
<td>1.30</td>
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<tr>
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<td>0.13</td>
<td>1.10</td>
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<tr>
<td>SRR0604-220ML</td>
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<td>16</td>
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<td>25.0</td>
<td>0.19</td>
<td>0.90</td>
<td>1.20</td>
<td>96</td>
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<tr>
<td>SRR0604-330KL</td>
<td>33 ±10</td>
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<td>SRR0604-470KL</td>
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<td>SRR0604-680KL</td>
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<td>0.796</td>
<td>12.0</td>
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<td>0.30</td>
<td>0.47</td>
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<td>SRR0604-221KL</td>
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<td>10.0</td>
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<td>0.32</td>
<td>30</td>
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<tr>
<td>SRR0604-331KL</td>
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<td>7.0</td>
<td>2.10</td>
<td>0.20</td>
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<tr>
<td>SRR0604-471KL</td>
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<td>0.796</td>
<td>6.5</td>
<td>3.30</td>
<td>0.18</td>
<td>0.22</td>
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<tr>
<td>SRR0604-681KL</td>
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<td>SRR0604-102KL</td>
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<td>SRR0604-222KL</td>
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<td>16.0</td>
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<td>0.08</td>
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</tbody>
</table>

**General Specifications**

- Test Voltage: 1 Volt
- Operating Temperature: -40 °C to +125 °C (Temperature rise included)
- Storage Temperature: -40 °C to +125 °C
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

**Materials**

- Core: Ferrite DR & RI
- Wire: Enameled copper
- Base: LCP E4008
- Terminal: Cu/Ni/Sn

**Rated Current**

- Ind. drop of 10 % typ. at Isat
- Temperature Rise: 40 °C max. at rated Irms

**Packaging**

- 1000 pcs. per reel

**Product Dimensions**

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**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

SRR0604 Series - Shielded Power Inductors

Core Loss vs. Flux Density

![Core Loss vs. Flux Density graph](image)

Packaging Specifications

![Packaging Specifications](image)

QTY: 1000 PCS. PER REEL

REV. 04/19

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