**Features**
- 1812 size
- High current rating
- Inductance range from 1 µH to 680 µH
- RoHS compliant*

**Applications**
- Mobile phones
- Cellular phones
- CTV, VCR, HIC, FDD

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**CC453232 Series - Wirewound Chip Inductor**

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance µH</th>
<th>Tol. %</th>
<th>Q Min.</th>
<th>Test Frequency MHz</th>
<th>SRF MHz Min.</th>
<th>DCR Ω Max.</th>
<th>Idc mA Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC453232-1R0KL</td>
<td>1.0 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>180</td>
<td>0.11</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>CC453232-1R2KL</td>
<td>1.2 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>160</td>
<td>0.12</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>CC453232-1R5KL</td>
<td>1.5 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>130</td>
<td>0.15</td>
<td>950</td>
<td></td>
</tr>
<tr>
<td>CC453232-1R8KL</td>
<td>1.8 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>100</td>
<td>0.16</td>
<td>900</td>
<td></td>
</tr>
<tr>
<td>CC453232-2R2KL</td>
<td>2.2 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>80</td>
<td>0.18</td>
<td>850</td>
<td></td>
</tr>
<tr>
<td>CC453232-2R7KL</td>
<td>2.7 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>60</td>
<td>0.20</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>CC453232-3R3KL</td>
<td>3.3 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>45</td>
<td>0.22</td>
<td>750</td>
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</tr>
<tr>
<td>CC453232-3R6KL</td>
<td>3.9 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>35</td>
<td>0.24</td>
<td>700</td>
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</tr>
<tr>
<td>CC453232-5R6KL</td>
<td>5.6 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>30</td>
<td>0.30</td>
<td>650</td>
<td></td>
</tr>
<tr>
<td>CC453232-6R8KL</td>
<td>6.8 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>28</td>
<td>0.35</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>CC453232-8R2KL</td>
<td>8.2 ± 10</td>
<td>10</td>
<td>7.96</td>
<td>25</td>
<td>0.40</td>
<td>600</td>
<td></td>
</tr>
</tbody>
</table>

**General Specifications**

- **Temperature Rise**
  - 20 °C max. at rated current
- **Operating Temperature**
  - -40 °C to +125 °C
- **Storage Temperature**
  - -40 °C to +125 °C
- **Resistance to Soldering Heat**
  - 260 °C, 10 sec.

**Materials**
- Core: Ferrite
- Terminal Electrode: Cu/Sn

**Product Dimensions**

**Recommended Layout**

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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

**Warnings**

**Cancer and Reproductive Harm** - www.P65Warnings.ca.gov

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*RoHS Compliant*
CC453232 Series - Wirewound Chip Inductor

Packaging Specifications

Solder Reflow Profile

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