SRR1260A Series - Shielded Power Inductors

**Features**
- Shielded construction
- Inductance range: 1 to 1000 µH
- Heating current up to 9.4 A
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

**Bourns**

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Value Code (see table)</th>
<th>Test Frequency/ Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRR1260A-100M</td>
<td>100 ±20 1 KHz / 1 V</td>
<td>10 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-120M</td>
<td>12 ±20 1 KHz / 1 V</td>
<td>20 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-150M</td>
<td>15 ±20 1 KHz / 1 V</td>
<td>25 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-180M</td>
<td>18 ±20 1 KHz / 1 V</td>
<td>30 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-220M</td>
<td>22 ±20 1 KHz / 1 V</td>
<td>35 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-270M</td>
<td>27 ±20 1 KHz / 1 V</td>
<td>40 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-330M</td>
<td>33 ±20 1 KHz / 1 V</td>
<td>50 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-390M</td>
<td>39 ±20 1 KHz / 1 V</td>
<td>60 KHz / 0.1 V</td>
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<td>SRR1260A-470M</td>
<td>47 ±20 1 KHz / 1 V</td>
<td>80 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-560M</td>
<td>56 ±20 1 KHz / 1 V</td>
<td>100 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-680M</td>
<td>68 ±20 1 KHz / 1 V</td>
<td>125 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-820M</td>
<td>82 ±20 1 KHz / 1 V</td>
<td>150 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-101M</td>
<td>100 ±20 1 KHz / 1 V</td>
<td>200 KHz / 0.1 V</td>
</tr>
<tr>
<td>SRR1260A-121K</td>
<td>120 ±10 1 KHz / 1 V</td>
<td>250 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-151K</td>
<td>150 ±10 1 KHz / 1 V</td>
<td>300 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-181K</td>
<td>180 ±10 1 KHz / 1 V</td>
<td>350 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-221K</td>
<td>220 ±10 1 KHz / 1 V</td>
<td>400 KHz / 0.1 V</td>
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<td>SRR1260A-271K</td>
<td>270 ±10 1 KHz / 1 V</td>
<td>450 KHz / 0.1 V</td>
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<td>SRR1260A-331K</td>
<td>330 ±10 1 KHz / 1 V</td>
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<td>SRR1260A-471K</td>
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<td>SRR1260A-561K</td>
<td>560 ±10 1 KHz / 1 V</td>
<td>800 KHz / 0.1 V</td>
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<td>SRR1260A-681K</td>
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<td>1000 KHz / 0.1 V</td>
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<td>SRR1260A-821K</td>
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<td>1200 KHz / 0.1 V</td>
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<tr>
<td>SRR1260A-102K</td>
<td>1000 ±10 1 KHz / 1 V</td>
<td>1500 KHz / 0.1 V</td>
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</tbody>
</table>
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**How to Order**

Model: SRR1260A - 100M

**Electrical Schematic**

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


**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.

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**Operating Temperature**

-40 °C to +125 °C (Temperature rise included)

**Storage Temperature**

-40 °C to +125 °C

**Temperature Rise**

40 °C typ. at rated I rms

**Inductance Drop**

25 % typ. at I sat

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**Materials**

Core: Ferrite

Wire: Enameled copper

Terminal Finish: Sn

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**Product Dimensions**

**Recommended Layout**

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### Packaging Specifications

- **Dimensions:**
  - **DIA.:** 21.0 ± 0.8 (0.827 ± 0.0313)
  - **DIA.:** 13.0 ± 0.8 (0.512 ± 0.0313)
  - **DIA.:** 13.0 ± 0.8 (0.512 ± 0.0313)
  - **DIA.:** 2.0 ± 0.5 (0.079 ± 0.020)

- **QTY:** 600 PCS. PER REEL

- **USER DIRECTION OF FEED**

- **Dimensions in (INCHES):**
  - **DIA.:** 0.827 ± 0.0313
  - **DIA.:** 0.512 ± 0.0313

- **Specifications are subject to change without notice.**

Users should verify actual device performance in their specific applications.

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