**SPB1308 Series – Power Bead Inductors**

*RoHS COMPLIANT* & **HALOGEN FREE**

**Features**
- Shielded construction for low radiation
- High rated current
- Low DCR
- RoHS compliant* and halogen free**

**Electrical Specifications @ 25 °C**

<table>
<thead>
<tr>
<th>Bourns Part No.</th>
<th>Inductance @ 100 kHz / 0.1 V (L (nH))</th>
<th>DCR (mΩ) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>Irms (A) Max.</th>
<th>Isat (A) Typ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB1308-R21M</td>
<td>210.0</td>
<td>0.18</td>
<td>0.35</td>
<td>50</td>
<td>71</td>
</tr>
<tr>
<td>SPB1308-R26M</td>
<td>260.0</td>
<td>0.18</td>
<td>0.35</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>SPB1308-R32M</td>
<td>320.0</td>
<td>0.18</td>
<td>0.35</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>SPB1308-R44M</td>
<td>440.0</td>
<td>0.18</td>
<td>0.35</td>
<td>50</td>
<td>35</td>
</tr>
</tbody>
</table>

**Soldering Profile**

- Peak Temperature: 245 °C max.
- Max. Peak Temperature -5 °C: 30 sec. max.
- Max. Time Above 217 °C: 60–150 sec. max.

<table>
<thead>
<tr>
<th>Temperature Rising Area</th>
<th>Preheat Area</th>
<th>Reflow Area</th>
<th>Forced Cooling Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>+4 °C/Sec. Max.</td>
<td>150–200 °C / 60–120 Sec.</td>
<td>+3.0 °C/Sec. Max.</td>
<td>(1.0–5.0) °C/Sec. Max.</td>
</tr>
</tbody>
</table>

**How to Order**

Model: SPB1308 - R21M

Value Code (see table)

**WARNING**
Cancer and Reproductive Harm
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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Packaging Specifications

**Dimensions:**
- **DIA.:** 13 ± 0.5 (.512 ± .020)
- **COVER TAPE:** 24 (.945)
- **EMBOSSED CARRIER:** 26 ± 0 (1.024 ± 0)

**QTY:** 350 PCS PER REEL

**User Direction of Feed:**
- **START**
- **LEADER NO COMPONENT:** 200 (.787) MIN.
- **COMPONENTS:**
  - R21
  - R41
  - R21
  - R21
- **TRAILER NO COMPONENT:** 400 (15.748) MIN.

**End Start**

**Leader No Component**

**Components**

**Trailer No Component**

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**BOURNS**

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REV. 10/22

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