**Features**
- Formerly J.W. Miller* model
- Current rating up to 20 A
- Inductance range: 3.35 µH to 1000 µH
- RoHS compliant*

**Applications**
- EMI filters
- Output chokes
- Smoothing coils

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**5200 Series - Hash Choke**

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inductance (µH)</th>
<th>Tol.</th>
<th>Test Freq.</th>
<th>DCR (Ω) Max.</th>
<th>I dc Size (AWG)</th>
<th>Figure</th>
<th>Diameter Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5218-RC</td>
<td>3.35 ±20 %</td>
<td></td>
<td>7.96 MHz</td>
<td>0.010</td>
<td>20</td>
<td>12</td>
<td>A</td>
</tr>
<tr>
<td>5219-RC</td>
<td>4.9 ±20 %</td>
<td></td>
<td>7.96 MHz</td>
<td>0.016</td>
<td>15</td>
<td>14</td>
<td>A</td>
</tr>
<tr>
<td>5220-RC</td>
<td>8.8 ±20 %</td>
<td></td>
<td>7.96 MHz</td>
<td>0.021</td>
<td>10</td>
<td>16</td>
<td>A</td>
</tr>
<tr>
<td>5230-RC</td>
<td>4.0 ±20 %</td>
<td></td>
<td>7.96 MHz</td>
<td>0.012</td>
<td>8.0</td>
<td>20</td>
<td>B</td>
</tr>
<tr>
<td>5240-RC</td>
<td>4.0 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.082</td>
<td>3.0</td>
<td>20</td>
<td>D</td>
</tr>
<tr>
<td>5248-RC</td>
<td>68 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.054</td>
<td>5.0</td>
<td>20</td>
<td>C</td>
</tr>
<tr>
<td>5250-RC</td>
<td>100 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.216</td>
<td>2.0</td>
<td>20</td>
<td>E</td>
</tr>
<tr>
<td>5252-RC</td>
<td>125 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.08</td>
<td>3.5</td>
<td>20</td>
<td>C</td>
</tr>
<tr>
<td>5254-RC</td>
<td>250 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.17</td>
<td>2.5</td>
<td>20</td>
<td>C</td>
</tr>
<tr>
<td>5256-RC</td>
<td>500 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.26</td>
<td>2.0</td>
<td>20</td>
<td>C</td>
</tr>
<tr>
<td>5258-RC</td>
<td>1000 ±20 %</td>
<td></td>
<td>1.0 KHz</td>
<td>0.55</td>
<td>1.0</td>
<td>20</td>
<td>C</td>
</tr>
</tbody>
</table>

**General Specifications**
- Rated Current......Inductance drop 10 % or 35 °C temperature rise at I dc
- Operating Temperature ........................................55 °C to +105 °C
- Storage Temperature ............................................55 °C to +105 °C
- Moisture Sensitivity Level.........................1
- ESD Classification (HBM)..............N/A

**Materials**
- Core Material
  - 5218-RC through 5220-RC...........Iron
  - 5230-RC through 5258-RC .......Ferrite
- Wire ...........................Enameled copper
- Terminal Coating.................................Sn

**Marking**
- Marking on label on bag only

**Packaging**
- 5218-RC through 5220-RC .................64 pcs. per bag
- 5230-RC through 5258-RC ...................50 pcs. per bag

**Electrical Schematic**

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

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REV. 01/18

5200 Series - Hash Choke

L vs I Graphs

L (μH) vs DC Current (A)

5218

5219

5220

5230

5240

5248

5250

5252

5254

5256

5258
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