**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
- Smooting coils

---

**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 (A)</th>
<th>Wire Size (AWG)</th>
<th>Figure</th>
<th>Diameter Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5218-RC</td>
<td>3.35 ±20 %</td>
<td>7.96 MHz</td>
<td>0.010</td>
<td>20</td>
<td>12</td>
<td>A</td>
<td>15.24 (0.60)</td>
<td></td>
</tr>
<tr>
<td>5219-RC</td>
<td>4.9 ±20 %</td>
<td>7.96 MHz</td>
<td>0.016</td>
<td>15</td>
<td>14</td>
<td>A</td>
<td>15.24 (0.50)</td>
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</tr>
<tr>
<td>5220-RC</td>
<td>8.8 ±20 %</td>
<td>7.96 MHz</td>
<td>0.021</td>
<td>10</td>
<td>16</td>
<td>A</td>
<td>14.22 (0.56)</td>
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</tr>
<tr>
<td>5230-RC</td>
<td>4.0 ±20 %</td>
<td>7.96 MHz</td>
<td>0.012</td>
<td>8.0</td>
<td>20</td>
<td>B</td>
<td>9.65 (0.38)</td>
<td></td>
</tr>
<tr>
<td>5240-RC</td>
<td>40 ±20 %</td>
<td>1.0 KHz</td>
<td>0.082</td>
<td>3.0</td>
<td>20</td>
<td>D</td>
<td>7.87 (0.31)</td>
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</tr>
<tr>
<td>5248-RC</td>
<td>68 ±20 %</td>
<td>1.0 KHz</td>
<td>0.054</td>
<td>5.0</td>
<td>20</td>
<td>C</td>
<td>14.22 (0.56)</td>
<td></td>
</tr>
<tr>
<td>5250-RC</td>
<td>100 ±20 %</td>
<td>1.0 KHz</td>
<td>0.216</td>
<td>2.0</td>
<td>20</td>
<td>E</td>
<td>9.65 (0.38)</td>
<td></td>
</tr>
<tr>
<td>5252-RC</td>
<td>125 ±20 %</td>
<td>1.0 KHz</td>
<td>0.08</td>
<td>3.5</td>
<td>20</td>
<td>C</td>
<td>12.70 (0.50)</td>
<td></td>
</tr>
<tr>
<td>5254-RC</td>
<td>250 ±20 %</td>
<td>1.0 KHz</td>
<td>0.17</td>
<td>2.5</td>
<td>20</td>
<td>C</td>
<td>11.18 (0.44)</td>
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<tr>
<td>5256-RC</td>
<td>500 ±20 %</td>
<td>1.0 KHz</td>
<td>0.26</td>
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<td>C</td>
<td>14.22 (0.56)</td>
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<tr>
<td>5258-RC</td>
<td>1000 ±20 %</td>
<td>1.0 KHz</td>
<td>0.55</td>
<td>1.0</td>
<td>20</td>
<td>C</td>
<td>12.70 (0.50)</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions:**

- MILLIMETERS

**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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Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.
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