Features
- Shielded construction
- Metal alloy powder core
- High saturation current
- Flat wire
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRP5030CA Series – Shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 kHz/0.1 V</th>
<th>SRF (MHz) Typ.</th>
<th>DCR (mΩ) Typ.</th>
<th>DCR (mΩ) Max.</th>
<th>I rms (A) Typ.</th>
<th>I sat (A) Typ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRP5030CA-R15M</td>
<td>0.15 ± 20 %</td>
<td>140</td>
<td>2.10</td>
<td>2.31</td>
<td>14.3</td>
<td>22.2</td>
</tr>
<tr>
<td>SRP5030CA-R16M</td>
<td>0.16 ± 20 %</td>
<td>140</td>
<td>2.12</td>
<td>2.33</td>
<td>14.2</td>
<td>22.2</td>
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<tr>
<td>SRP5030CA-R23M</td>
<td>0.33 ± 20 %</td>
<td>110</td>
<td>3.20</td>
<td>3.52</td>
<td>13.8</td>
<td>19.2</td>
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<tr>
<td>SRP5030CA-R56M</td>
<td>0.56 ± 20 %</td>
<td>73</td>
<td>4.05</td>
<td>4.52</td>
<td>13.6</td>
<td>17.7</td>
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<tr>
<td>SRP5030CA-R80M</td>
<td>0.80 ± 20 %</td>
<td>68</td>
<td>4.11</td>
<td>4.52</td>
<td>13.6</td>
<td>17.7</td>
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<tr>
<td>SRP5030CA-R82M</td>
<td>0.82 ± 20 %</td>
<td>54</td>
<td>5.25</td>
<td>5.78</td>
<td>9.9</td>
<td>12.9</td>
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<td>SRP5030CA-1R0M</td>
<td>1.0 ± 20 %</td>
<td>50</td>
<td>6.90</td>
<td>7.60</td>
<td>9.0</td>
<td>12.2</td>
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<td>SRP5030CA-1R2M</td>
<td>1.2 ± 20 %</td>
<td>43</td>
<td>8.80</td>
<td>9.70</td>
<td>8.5</td>
<td>11.0</td>
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<tr>
<td>SRP5030CA-1R5M</td>
<td>1.5 ± 20 %</td>
<td>38</td>
<td>10.1</td>
<td>11.2</td>
<td>8.0</td>
<td>10.5</td>
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<td>SRP5030CA-1R8M</td>
<td>1.8 ± 20 %</td>
<td>36</td>
<td>11.5</td>
<td>12.7</td>
<td>7.6</td>
<td>10.1</td>
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<td>SRP5030CA-2R2M</td>
<td>2.2 ± 20 %</td>
<td>33</td>
<td>13.2</td>
<td>14.5</td>
<td>7.2</td>
<td>9.7</td>
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<td>SRP5030CA-3R3M</td>
<td>3.3 ± 20 %</td>
<td>25</td>
<td>21.0</td>
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<td>8.1</td>
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<tr>
<td>SRP5030CA-3R6M</td>
<td>3.6 ± 20 %</td>
<td>23</td>
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<td>4.6</td>
<td>6.5</td>
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<td>SRP5030CA-4R7M</td>
<td>4.7 ± 20 %</td>
<td>21</td>
<td>33.0</td>
<td>36.3</td>
<td>4.3</td>
<td>5.9</td>
</tr>
</tbody>
</table>

Product Dimensions

How to Order

**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.

Users should verify actual device performance in their specific applications.

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SRP5030CA - 1R0M

Model
Value Code (see table)

Schematic

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

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