Features
- Wirewound
- Shielded construction
- Metal alloy powder core
- High saturation current
- Low profile
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRP2512A Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance (µH)</th>
<th>Q (Typ.)</th>
<th>SRF (MHz)</th>
<th>DCR (mΩ)</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRP2512A-R47M</td>
<td>0.47 ±20</td>
<td>39</td>
<td>129</td>
<td>21</td>
<td>25</td>
<td>4.6</td>
</tr>
<tr>
<td>SRP2512A-R68M</td>
<td>0.68 ±20</td>
<td>39</td>
<td>104</td>
<td>29</td>
<td>35</td>
<td>3.7</td>
</tr>
<tr>
<td>SRP2512A-1R0M</td>
<td>1.0 ±20</td>
<td>39</td>
<td>82</td>
<td>41</td>
<td>49</td>
<td>3.5</td>
</tr>
<tr>
<td>SRP2512A-1R5M</td>
<td>1.5 ±20</td>
<td>39</td>
<td>71</td>
<td>64</td>
<td>77</td>
<td>2.5</td>
</tr>
<tr>
<td>SRP2512A-2R2M</td>
<td>2.2 ±20</td>
<td>39</td>
<td>62</td>
<td>85</td>
<td>98</td>
<td>2.2</td>
</tr>
<tr>
<td>SRP2512A-4R7M</td>
<td>4.7 ±20</td>
<td>39</td>
<td>37</td>
<td>196</td>
<td>235</td>
<td>1.55</td>
</tr>
</tbody>
</table>

Operating Temperature: -40 °C to +125 °C (Temperature rise included)
Storage Temperature (Component): -50 °C to +125 °C
Rated Current: Inductance drops 30 % at Isat
Temperature Rise: 40 °C at rated Irms
Moisture Sensitivity Level (MSL): 1
ESD Classification (HBM): N/A

Materials
- Core: Metal alloy powder
- Wire: Enamelled copper
- Terminal Finish: Sn
- Packaging: 3000 pcs. per 7-inch reel

Recommended Layout

How to Order
Model: SRP2512A - R47M
Value Code (see table)
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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