5.5 GHz Balun
Detail Specification: 10/23/12

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Frequency (MHz)</th>
<th>Impedance Unbal. / Bal.</th>
<th>Insertion Loss</th>
<th>Return Loss</th>
<th>Phase Difference</th>
<th>Amplitude Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>5400BL15B100</td>
<td>4900 - 5875</td>
<td>50/100 Ω</td>
<td>1.0 dB max.</td>
<td>9.5 dB min.</td>
<td>180°±10°</td>
<td>2.0 dB max.</td>
</tr>
</tbody>
</table>

**Input Power** | **Impedance** | **Operating Temperature Range** | **Reel Qty**
---|---|---|---
3 Watts max | 50/100 Ω | -40 to +85°C | 4,000

**Mechanical Dimensions**

<table>
<thead>
<tr>
<th>L</th>
<th>W</th>
<th>T</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>g</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>0.079 ± .004</td>
<td>0.049± .004</td>
<td>0.037 ± .004</td>
<td>0.012 ± .004</td>
<td>0.008 ± .004</td>
<td>0.012 ± .004/- .008</td>
<td>0.014 ± .004</td>
</tr>
<tr>
<td>mm</td>
<td>2.0 ± 0.1</td>
<td>1.25 ± 0.1</td>
<td>0.95 ± 0.1</td>
<td>0.30 ± 0.1</td>
<td>0.20 ± 0.1</td>
<td>0.30±0.1/-0.2</td>
<td>0.35 ± 0.1</td>
</tr>
</tbody>
</table>

**Terminal Configuration**

1 Unbalanced Port 4 Balanced Port
2 GND or DC Feed 5 GND
3 Balanced Port 6 NC

**Mounting Considerations**

Mount devices with colored mark facing up.

* Line width should be designed to provide 50Ω impedance matching characteristics.

**Units:** mm

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5.5 GHz Balun

P/N 5400BL15B100

Insertion Loss

Return Loss