2.4 GHz / 5.5 GHz Dipole 2 dBi Antenna for Reverse Polarity SMA

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001-0009</td>
<td>2.4/5.5GHz Dipole Antenna for Reverse Polarity SMA Connector.</td>
</tr>
<tr>
<td>080-0001</td>
<td>U.FL to Reverse Polarity SMA Cable, 105mm</td>
</tr>
</tbody>
</table>

Table 1 Orderable Part Numbers

The information in this document is subject to change without notice.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4Ghz Band Peak Gain</td>
<td>+2 dBi</td>
</tr>
<tr>
<td>5 GHz Band Peak Gain</td>
<td>+2 dBi</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohms, Nominal</td>
</tr>
<tr>
<td>Type</td>
<td>Dipole</td>
</tr>
<tr>
<td>Polarization</td>
<td>Linear Vertical</td>
</tr>
<tr>
<td>VSWR</td>
<td>≤2.0 : 1, Maximum</td>
</tr>
<tr>
<td>Frequency</td>
<td>2400-2500MHz, 5150-5850MHz</td>
</tr>
<tr>
<td>Weight</td>
<td>22g</td>
</tr>
<tr>
<td>Size</td>
<td>137 × 13 mm</td>
</tr>
<tr>
<td>Antenna Color</td>
<td>Black</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>−20°C + 65°C</td>
</tr>
<tr>
<td>UL Rating</td>
<td>UL 94HB</td>
</tr>
</tbody>
</table>

Table 2 Specifications
PHYSICAL DIMENSIONS (MM)

Figure 1 Physical Dimensions
TYPICAL ANTENNA REFLECTION PERFORMANCE

Figure 2 Typical Antenna Reflection Performance
TYPICAL ANTENNA RADIATION PERFORMANCE

**E_PLANE**
- 2400 MHZ
- 2450 MHZ
- 2500 MHZ
- 5150 MHZ
- 5250 MHZ
- 5350 MHZ
- 5450 MHZ
- 5550 MHZ
- 5650 MHZ
- 5750 MHZ
- 5850 MHZ

**H_PLANE**
- 2400 MHZ
- 2450 MHZ
- 2500 MHZ
- 5150 MHZ
- 5250 MHZ
- 5350 MHZ
- 5450 MHZ
- 5550 MHZ
- 5650 MHZ
- 5750 MHZ
- 5850 MHZ

* Polar Plots: 10db / Div

Figure 3 Typical Antenna Radiation Performance
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