External Outdoor Antenna for 2.4GHz Application

Pulse Part Number: W5001, W5010 and W5011

Features
- Antenna size
  - W5001: 18.2x128.05 mm
  - W5010: ø10x130.09 mm
  - W5011: ø10x130.09 mm
- Ingress Protection IP65
- UV protection
- RoHS Compliant Product
- Connector Type
  - W5001: Fixed right angle RP-SMA (Male Body, Female Pin)
  - W5010: Straight RP-SMA (Male Body, Female Pin)
  - W5011: Straight RP-SMA (Male Body, Male Pin)

Applications
- Zigbee 802.15, ISM 2.4GHz
- Metering, Security, M2M Applications

Part Numbers:

<table>
<thead>
<tr>
<th>P/N</th>
<th>Connector</th>
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<tbody>
<tr>
<td>W5001</td>
<td>Fixed Right Angle RP-SMA(Male)</td>
</tr>
<tr>
<td>W5010</td>
<td>Straight RP-SMA(Male)</td>
</tr>
<tr>
<td>W5011</td>
<td>Straight SMA (Male)</td>
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Electrical specifications @ +25 °C

W5001, W5010 and W5011 Typical free space performance

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<tr>
<td>2400 - 2500</td>
<td>1.5</td>
<td>70/-1.5</td>
<td>-10</td>
<td>50</td>
<td>-40 to +85</td>
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Typical Electrical Characteristics (free space, T=25 °C)

Typical Return Loss S11/ VSWR

Free Space Total Field Maximum Gain

Total Filed Peak Gain
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Typical Free space Radiation Patterns

E Plane Radiation Pattern

H Plane Radiation Pattern

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Connector Configuration
W5001

Connector Configuration
W5010 & W5011