1-port omni exposed dipole antenna, 150–160 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Two-piece mast for ease of shipping

Electrical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band, MHz</td>
<td>150–160</td>
</tr>
<tr>
<td>Gain, dBi</td>
<td>8.1</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>360</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>16.0</td>
</tr>
<tr>
<td>Beam Tilt, degrees</td>
<td>0</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>500</td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
</tr>
</tbody>
</table>

General Specifications

- Operating Frequency Band: 150 – 160 MHz
- Antenna Type: Omni
- Band: Single band
- Performance Note: Outdoor usage

Mechanical Specifications

- RF Connector Quantity, total: 1
- RF Connector Quantity, low band: 1
- RF Connector Interface: N Male
- Color: Silver
- Grounding Type: RF connector inner conductor and body grounded to reflector and mounting bracket
- Radiator Material: Aluminum
- RF Connector Location: Bottom
- Wind Loading, maximum: 126.0 lbf @ 100 mph | 560.5 N @ 100 mph
- Wind Speed, maximum: 130 km/h | 81 mph

Dimensions

- Length: 6477.0 mm | 255.0 in
**Net Weight, without mounting kit** 15.9 kg | 35.1 lb

**Regulatory Compliance/Certifications**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant by Exemption</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>China RoHS SJ/T 11364-2014</td>
<td>Above Maximum Concentration Value (MCV)</td>
</tr>
</tbody>
</table>

**Included Products**

DB365-OS — Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 - 3.5 in (35 - 89 mm) OD round members.

**Footnotes**

**Performance Note** Severe environmental conditions may degrade optimum performance
Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 - 3.5 in (35 - 89 mm) OD round members.

General Specifications

**Application**
Outdoor

**Includes**
Brackets | Hardware

**Package Quantity**
2

Mechanical Specifications

**Color**
Silver

**Material Type**
Galvanized steel

Dimensions

**Compatible Diameter, maximum**
88.9 mm | 3.5 in

**Compatible Diameter, minimum**
31.8 mm | 1.3 in

**Net Weight**
3.2 kg | 7.0 lb

Regulatory Compliance/Certifications

**Agency**
RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014
CE

**Classification**
Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)
Compliant with the relevant CE product directives