1-port omni exposed dipole antenna, 450–470 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Moisture resistant
- Rugged, reliable design

### Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>450–470</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>11.3</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>360</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>7.0</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>250</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**: 450 – 470 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**: End of flexible lead
- **Wind Loading, maximum**: 591.6 N @ 100 mph
  133.0 lbf @ 100 mph
- **Wind Speed, maximum**: 161 km/h | 100 mph

### Dimensions

- **Length**: 5918.2 mm | 233.0 in
Net Weight, without mounting kit 15.6 kg  |  34.4 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