1-port omni antenna, 450–482 MHz, 360° HPBW, fixed electrical tilt

- Omnidirectional antenna
- Rugged, durable design, heavy duty radome for minimum tip deflection
- Invert mountable

### Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band, MHz</td>
<td>450–482</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>20.0</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: 450 – 482 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 Female
- Color: Horizon blue
- Grounding Type: RF connector inner conductor and body grounded to reflector and mounting bracket
- Radiator Material: Brass
- Radome Material: Fiberglass, UV resistant
- RF Connector Location: Bottom
- Wind Loading, maximum: 286.5 N @ 100 mph | 64.4 lbf @ 100 mph
- Wind Speed, maximum: 354 km/h | 220 mph

### Dimensions
DB636-C

Length = 2895.6 mm   |   114.0 in
Outer Diameter = 63.5 mm   |   2.5 in
Net Weight, without mounting kit = 30.0 kg   |   66.1 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
- **Classification**: Compliant by Exemption
- **Agency**: ISO 9001:2015
- **Classification**: Designed, manufactured and/or distributed under this quality management system
- **Agency**: China RoHS SJ/T 11364-2014
- **Classification**: Above Maximum Concentration Value (MCV)
- **Agency**: CE
- **Classification**: Compliant with the relevant CE product directives