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>Frequency Band, MHz</th>
<th>450–482</th>
</tr>
</thead>
<tbody>
<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

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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**  
33.0 mm | 1.3 in

**Net Weight**  
3.2 kg | 7.1 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