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><strong>Frequency Band, MHz</strong></td>
<td>450–482</td>
</tr>
<tr>
<td>Gain, dBi</td>
<td>5.1</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>360</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>35.0</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**: 19.6 lbf @ 100 mph | 87.2 N @ 100 mph
- **Wind Speed, maximum**: 201 km/h | 125 mph

### Dimensions
DB633-C

Length 1435.0 mm | 56.5 in
Outer Diameter 50.8 mm | 2.0 in
Net Weight, without mounting kit 3.6 kg | 7.9 lb

Regulatory Compliance/Certifications

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

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