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><strong>Gain, dBi</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>Beamwidth, Horizontal, degrees</strong></td>
<td>360</td>
</tr>
<tr>
<td><strong>Beamwidth, Vertical, degrees</strong></td>
<td>80.0</td>
</tr>
<tr>
<td><strong>Beam Tilt, degrees</strong></td>
<td>0</td>
</tr>
<tr>
<td>**VSWR</td>
<td>Return Loss, dB**</td>
</tr>
<tr>
<td><strong>Input Power per Port, maximum, watts</strong></td>
<td>500</td>
</tr>
<tr>
<td><strong>Polarization</strong></td>
<td>Vertical</td>
</tr>
<tr>
<td><strong>Impedance</strong></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**: 60.5 N @ 100 mph
  13.6 lbf @ 100 mph
- **Wind Speed, maximum**: 201 km/h | 125 mph

**Dimensions**
Length 965.2 mm | 38.0 in
Outer Diameter 50.8 mm | 2.0 in
Net Weight, without mounting kit 2.7 kg | 6.0 lb

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
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<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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<tr>
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<td>Above Maximum Concentration Value (MCV)</td>
</tr>
<tr>
<td>CE</td>
<td>Compliant with the relevant CE product directives</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)
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