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>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Band, MHz</strong></td>
<td>450–470</td>
</tr>
<tr>
<td>Gain, dBi</td>
<td>8.7</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>360</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>14.0</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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Frequency Band</strong></td>
<td>450 – 470 MHz</td>
</tr>
<tr>
<td><strong>Antenna Type</strong></td>
<td>Omni</td>
</tr>
<tr>
<td><strong>Band</strong></td>
<td>Single band</td>
</tr>
<tr>
<td><strong>Performance Note</strong></td>
<td>Outdoor usage</td>
</tr>
</tbody>
</table>

### Mechanical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RF Connector Quantity, total</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>RF Connector Quantity, low band</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>RF Connector Interface</strong></td>
<td>N Male</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Silver</td>
</tr>
<tr>
<td><strong>Grounding Type</strong></td>
<td>RF connector inner conductor and body grounded to reflector and mounting bracket</td>
</tr>
<tr>
<td><strong>Radiator Material</strong></td>
<td>Aluminum</td>
</tr>
<tr>
<td><strong>RF Connector Location</strong></td>
<td>End of flexible lead</td>
</tr>
<tr>
<td><strong>Wind Loading, maximum</strong></td>
<td>338.1 N @ 100 mph</td>
</tr>
<tr>
<td><strong>Wind Speed, maximum</strong></td>
<td>201 km/h</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length</strong></td>
<td>2870.2 mm</td>
</tr>
</tbody>
</table>
DB408-B

Net Weight, without mounting kit  7.7 kg   |   17.0 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

<table>
<thead>
<tr>
<th>Application</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes</td>
<td>Brackets</td>
</tr>
<tr>
<td>Package Quantity</td>
<td>2</td>
</tr>
</tbody>
</table>

Mechanical Specifications

<table>
<thead>
<tr>
<th>Color</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Type</td>
<td>Galvanized steel</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Compatible Diameter, maximum</th>
<th>88.9 mm</th>
<th>3.5 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible Diameter, minimum</td>
<td>31.8 mm</td>
<td>1.3 in</td>
</tr>
<tr>
<td>Net Weight</td>
<td>3.2 kg</td>
<td>7.0 lb</td>
</tr>
</tbody>
</table>

Regulatory Compliance/Certifications

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</tr>
<tr>
<td>China RoHS SJ/T 11364-2014</td>
<td>Above Maximum Concentration Value (MCV)</td>
</tr>
<tr>
<td>CE</td>
<td>Compliant with the relevant CE product directives</td>
</tr>
</tbody>
</table>