1-port omni antenna, 450–470 MHz, 360° HPBW, fixed electrical tilt

- Invert mountable

### Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band, MHz</td>
<td>450–470 MHz</td>
</tr>
<tr>
<td>Gain, dBi</td>
<td>12.1</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>360</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>7.0</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

- **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**: Off-white
- **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**: 364.8 N @ 100 mph
  82.0 lbf @ 100 mph
- **Wind Speed, maximum**: 201 km/h | 125 mph

### Dimensions

- **Length**: 5588.0 mm | 220.0 in
Outer Diameter: 76.2 mm | 3.0 in
Net Weight, without mounting kit: 10.0 kg | 22.0 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

ASPR616 — Pipe Mounting Kit for 1.25 - 3.5 in (35 - 89.0 mm) OD round members

* Footnotes

Performance Note: Severe environmental conditions may degrade optimum performance