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

- Invert mountable

### Electrical Specifications

**Frequency Band, MHz** | 450–470
---|---
**Gain, dBi** | 12.1
**Beamwidth, Horizontal, degrees** | 360
**Beamwidth, Vertical, degrees** | 7.0
**Beam Tilt, degrees** | 0
**VSWR | Return Loss, dB** | 1.5 | 14.0
**Input Power per Port, maximum, watts** | 500
**Polarization** | Vertical
**Impedance** | 50 ohm

### 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
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

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