1-port sector (yagi) antenna, 806–869 MHz, 60° HPBW, fixed electrical tilt. Mounting pipe diameter, max. 3”.

- Rugged, durable design
- Enclosed driven element protects against icing, water penetration, and corrosion
- Unique mounts allow vertical or horizontal polarization

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band, MHz</td>
<td>806–869</td>
</tr>
<tr>
<td>Gain, dBi</td>
<td>12.1</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>60</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>30.0</td>
</tr>
<tr>
<td>Beam Tilt, degrees</td>
<td>0</td>
</tr>
<tr>
<td>Front-to-Back Ratio at 180°, dB</td>
<td>15</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>150</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: 806 – 869 MHz
- Antenna Type: Sector
- Band: Single band
- Includes: V-bolts
- Performance Note: Outdoor usage

**Mechanical Specifications**

- RF Connector Quantity, total: 1
- RF Connector Quantity, low band: 1
- RF Connector Interface: N Female
- Color: Silver
- Grounding Type: RF connector inner conductor and body grounded to reflector and mounting bracket
- Radiator Material: Aluminum
- RF Connector Location: Bottom
- Wind Speed, maximum: 201 km/h | 125 mph

**Dimensions**

- Length: 787.4 mm | 31.0 in
- Width: 152.4 mm | 6.0 in
- Depth: 25.4 mm | 1.0 in
Net Weight, without mounting kit 2.3 kg | 5.1 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>
<tr>
<td>CE</td>
<td>Compliant with the relevant CE product directives</td>
</tr>
</tbody>
</table>

Included Products

11653 — V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets.

* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance
V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets.

Product Classification

Product Type
Bolt kit

General Specifications

Application
Outdoor

Includes
Back straps | Nuts | V-bolts | Washers

Package Quantity
2

Mechanical Specifications

Color
Silver

Material Type
Galvanized steel | Stainless steel

Dimensions

Compatible 60° Angle
66.04 mm | 2.60 in

Compatible 90° Angle
50.80 mm | 2.00 in

Compatible Diameter, maximum
76.2 mm | 3.0 in

Net Weight
0.9 kg | 2.0 lb

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification
Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)