6-port sector antenna, 2x 824–960 and 4x 1710–2170 MHz, 65° HPBW, 3x RET with manual override.

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays

### Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>824–890</th>
<th>890–960</th>
<th>1710–1880</th>
<th>1920–2170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>17.0</td>
<td>17.5</td>
<td>16.8</td>
<td>17.8</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>67</td>
<td>62</td>
<td>68</td>
<td>63</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>7.5</td>
<td>7.0</td>
<td>7.2</td>
<td>6.5</td>
</tr>
<tr>
<td>Beam Tilt, degrees</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
</tr>
<tr>
<td>USLS (First Lobe), dB</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Front-to-Back Ratio at 180°, dB</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Isolation, Cross Polarization, dB</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.43</td>
<td>15.0</td>
<td>1.43</td>
</tr>
<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBc</td>
<td>-150</td>
<td>-150</td>
<td>-150</td>
<td>-150</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>500</td>
<td>500</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>Polarization</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
</tr>
</tbody>
</table>

### General Specifications

**Operating Frequency Band**: 1710 – 2170 MHz | 824 – 960 MHz
**Antenna Type**: Sector
**Band**: Multiband
**Performance Note**: Outdoor usage

### Mechanical Specifications

- **RF Connector Quantity, total**: 6
- **RF Connector Quantity, low band**: 2
- **RF Connector Quantity, high band**: 4
- **RF Connector Interface**: 7-16 DIN Female
- **Grounding Type**: RF connector inner conductor and body grounded to reflector and mounting bracket
- **Radome Material**: Polyester fiberglass pultrusion
- **RF Connector Location**: Bottom
- **Wind Loading, maximum**: 1,430.0 N @ 160 km/h | 321.5 lbf @ 160 km/h
- **Wind Speed, maximum**: 200 km/h | 124 mph

### Dimensions
Regulatory Compliance/Certifications

Remote Electrical Tilt (RET) Information

Input Voltage 10–30 Vdc
Internal RET High band (2) | Low band (1)
Power Consumption, idle state, maximum 2 W
Power Consumption, normal conditions, maximum 13 W
Protocol 3GPP/AISG 2.0 (Single RET)
RET Interface 8-pin DIN Male
RET Interface, quantity 1 male

Packed Dimensions

Length 2755.0 mm | 108.5 in
Width 440.0 mm | 17.3 in
Depth 216.0 mm | 8.5 in
Shipping Weight 38.5 kg | 84.9 lb

Regulatory Compliance/Certifications

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

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

Included Products

T-029-GL-E — Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance