8-port sector antenna, 2x 790–960 and 6x 1710–2690 MHz, 65° HPBW, 4x RET with manual override.

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays
- All Internal RET actuators are connected in “Cascaded SRET” configuration

### Electrical Specifications

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>16.6</td>
<td>17.0</td>
<td>16.4</td>
<td>17.1</td>
<td>17.7</td>
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<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>65</td>
<td>64</td>
<td>61</td>
<td>60</td>
<td>63</td>
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<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>8.9</td>
<td>8.1</td>
<td>8.3</td>
<td>7.4</td>
<td>5.9</td>
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<tr>
<td>Beam Tilt, degrees</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
<td>0–10</td>
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<tr>
<td>USLS (First Lobe), dB</td>
<td>18</td>
<td>19</td>
<td>16</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td>Front-to-Back Ratio at 180°, dB</td>
<td>25</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>17</td>
<td>14</td>
<td>17</td>
<td>15</td>
<td>13</td>
</tr>
<tr>
<td>CPR at Sector, dB</td>
<td>9</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>7</td>
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<tr>
<td>Isolation, Cross Polarization, dB</td>
<td>25</td>
<td>25</td>
<td>25</td>
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<tr>
<td>Isolation, Inter-band, dB</td>
<td>30</td>
<td>30</td>
<td>30</td>
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<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.43</td>
<td>1.50</td>
<td>1.43</td>
<td>1.50</td>
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<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBC</td>
<td>-150</td>
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<tr>
<td>Input Power per Port, maximum, watts</td>
<td>300</td>
<td>300</td>
<td>250</td>
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<tr>
<td>Polarization</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
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<tr>
<td>Impedance</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
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</table>

### Electrical Specifications, BASTA*

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<tbody>
<tr>
<td>Gain by all Beam Tilts, average, dBi</td>
<td>16.4</td>
<td>16.8</td>
<td>16.2</td>
<td>16.8</td>
<td>17.3</td>
</tr>
<tr>
<td>Gain by all Beam Tilts Tolerance, dB</td>
<td>±0.3</td>
<td>±0.2</td>
<td>±0.3</td>
<td>±0.6</td>
<td>±0.5</td>
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<tr>
<td>Gain by Beam Tilt, average, dBi</td>
<td>0 °</td>
<td>16.4</td>
<td>0 °</td>
<td>16.8</td>
<td>0 °</td>
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<tr>
<td>Beamwidth, Horizontal Tolerance, degrees</td>
<td>±1.8</td>
<td>±1.5</td>
<td>±2.6</td>
<td>±2.7</td>
<td>±5</td>
</tr>
<tr>
<td>Beamwidth, Vertical Tolerance, degrees</td>
<td>±0.4</td>
<td>±0.2</td>
<td>±0.6</td>
<td>±0.6</td>
<td>±0.6</td>
</tr>
<tr>
<td>USLS, beampeak to 20° above beampeak, dB</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>Front-to-Back Total Power at 180° ± 30°, dB</td>
<td>24</td>
<td>27</td>
<td>23</td>
<td>25</td>
<td>27</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>18</td>
<td>15</td>
<td>19</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>CPR at Sector, dB</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>4</td>
<td>7</td>
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</tbody>
</table>

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper Time to Raise the Bar on BSAs.

### Array Layout

[Image of Array Layout]
General Specifications

Operating Frequency Band
- 1710 – 2690 MHz
- 790 – 960 MHz

Antenna Type
- Sector

Band
- Multiband

Performance Note
- Outdoor usage

Mechanical Specifications

RF Connector Quantity, total
- 8

RF Connector Quantity, low band
- 2

RF Connector Quantity, high band
- 6

RF Connector Interface
- 7-16 DIN Female

Grounding Type
- RF connector inner conductor and body grounded to reflector and mounting bracket

Radome Material
- ASA, UV stabilized

RF Connector Location
- Bottom

Wind Loading, frontal
- 1,237.0 N @ 150 km/h  |  278.1 lbf @ 150 km/h

Wind Loading, lateral
- 107.5 lbf @ 150 km/h  |  478.0 N @ 150 km/h

Wind Speed, maximum
- 200 km/h  |  124 mph

Dimensions

Length
- 2533.0 mm  |  99.7 in

Width
- 354.0 mm  |  13.9 in

Depth
- 210.0 mm  |  8.3 in
Remote Electrical Tilt (RET) Information

**Input Voltage**: 10–30 Vdc

**Internal RET**: High band (3) | 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 Female | 8-pin DIN Male

**RET Interface, quantity**: 1 female | 1 male

Packed Dimensions

**Length**: 2720.0 mm | 107.1 in

**Width**: 420.0 mm | 16.5 in

**Depth**: 320.0 mm | 12.6 in

**Shipping Weight**: 50.0 kg | 110.2 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>
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<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

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

General Specifications

Application
Outdoor

Includes
Brackets | Hardware

Package Quantity
1

Mechanical Specifications

Color
Silver

Material Type
Galvanized steel

Mechanical Tilt
0°–8°

Dimensions

Antenna-to-Pipe Distance
85.0 mm | 3.3 in

Bracket-to-Bracket Distance
1400.0 mm | 55.1 in

Compatible Diameter, maximum
115.0 mm | 4.5 in

Compatible Diameter, minimum
60.0 mm | 2.4 in

Compatible Length, maximum
2850.0 mm | 112.2 in

Compatible Length, minimum
1500.0 mm | 59.1 in

Net Weight
6.0 kg | 13.2 lb

Regulatory Compliance/Certifications

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

Classification
Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)
Compliant with the relevant CE product directives