2-port stadium sector antenna, 2x (790–960, 1710–2170, & 2300–2690 MHz), 50° HPBW. This triband antenna produces rectangular patterns with sharp cutoff for illuminating a section of the crowd. The three bands are internally triplexed, allowing a dual connector interface to be used.

- The antenna includes an internal triplexer for a set of ±45° RF input ports for 2x2 MIMO capabilities

### Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>790–960</th>
<th>1710–2170</th>
<th>2300–2690</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>11.2</td>
<td>11.4</td>
<td>11.7</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>55</td>
<td>49</td>
<td>47</td>
</tr>
<tr>
<td>Beamwidth, Horizontal at 20 dB, degrees</td>
<td>90</td>
<td>81</td>
<td>79</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>55.0</td>
<td>48.5</td>
<td>47.4</td>
</tr>
<tr>
<td>Beam Tilt, degrees</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>USLS (First Lobe), dB</td>
<td>25</td>
<td>20</td>
<td>22</td>
</tr>
<tr>
<td>Front-to-Back Ratio at 180°, dB</td>
<td>39</td>
<td>40</td>
<td>38</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>20</td>
<td>23</td>
<td>18</td>
</tr>
<tr>
<td>CPR at 3 dB Horizontal Beamwidth, dB</td>
<td>18</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Isolation, Cross Polarization, dB</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Isolation, Inter-band, dB</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.5</td>
<td>14.0</td>
</tr>
<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBc</td>
<td>-150</td>
<td>-150</td>
<td>-150</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Polarization</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>
</tr>
</tbody>
</table>

### Electrical Specifications, BASTA*

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>790–960</th>
<th>1710–2170</th>
<th>2300–2690</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain by all Beam Tilts, average, dBi</td>
<td>10.9</td>
<td>11.4</td>
<td>11.4</td>
</tr>
<tr>
<td>Gain by all Beam Tilts Tolerance, dB</td>
<td>±0.7</td>
<td>±0.9</td>
<td>±0.9</td>
</tr>
<tr>
<td>Beamwidth, Horizontal Tolerance, degrees</td>
<td>±4</td>
<td>±5</td>
<td>±4.3</td>
</tr>
<tr>
<td>Beamwidth, Vertical Tolerance, degrees</td>
<td>±4.3</td>
<td>±5.3</td>
<td>±4.2</td>
</tr>
<tr>
<td>USLS, beampeak to 20° above beampeak, dB</td>
<td>25</td>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>Front-to-Back Total Power at 180° ± 30°, dB</td>
<td>32</td>
<td>34</td>
<td>34</td>
</tr>
<tr>
<td>CPR at Boresight, dB</td>
<td>20</td>
<td>19</td>
<td>20</td>
</tr>
</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.

### General Specifications

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Operating Frequency Band
- 1710 – 2170 MHz
- 2300 – 2690 MHz
- 790 – 960 MHz

Antenna Type
- Sector
- Multiband

Performance Note
- Outdoor usage

### Mechanical Specifications

**RF Connector Quantity, total**
- 2

**RF Connector Interface**
- 7-16 DIN Female

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

**Radiator Material**
- Brass
- Low loss circuit board

**Radome Material**
- Fiberglass, UV resistant

**Reflector Material**
- Aluminum

**RF Connector Location**
- Rear
- Side

**RF Connector Quantity, diplexed low and high bands**
- 2

**Wind Speed, maximum**
- 160 km/h
- 99 mph

### Dimensions

**Length**
- 1354.0 mm
- 53.3 in

**Width**
- 853.0 mm
- 33.6 in

**Depth**
- 210.0 mm
- 8.3 in

**Net Weight, without mounting kit**
- 37.0 kg
- 81.6 lb

### Packed Dimensions

**Length**
- 1464.0 mm
- 57.6 in

**Width**
- 990.0 mm
- 39.0 in

**Depth**
- 411.0 mm
- 16.2 in

**Shipping Weight**
- 55.0 kg
- 121.3 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
Included Products

F-122-GL — Fixed Tilt Pipe Mounting Kit for 2.9"-4.5" (75-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note  Severe environmental conditions may degrade optimum performance
Fixed Tilt Pipe Mounting Kit for 2.9"-4.5" (75-115mm) OD round members for panel antennas. Includes 2 clamp sets.

General Specifications

- **Application**: Outdoor
- **Includes**: Brackets | Hardware
- **Package Quantity**: 2

Mechanical Specifications

- **Color**: Silver
- **Material Type**: Galvanized steel

Dimensions

- **Antenna-to-Pipe Distance**: 30.0 mm | 1.2 in
- **Compatible Diameter, maximum**: 115.0 mm | 4.5 in
- **Compatible Diameter, minimum**: 75.0 mm | 3.0 in
- **Net Weight**: 2.5 kg | 5.5 lb

Regulatory Compliance/Certifications

- **Agency**: RoHS 2011/65/EU
- **Classification**: Compliant by Exemption
- **Classification**: Designed, manufactured and/or distributed under this quality management system
- **Classification**: Above Maximum Concentration Value (MCV)