## Technical Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (GHz)</td>
<td>0.4 - 6.0</td>
</tr>
<tr>
<td>Gain (dBi)</td>
<td>10 Typ.</td>
</tr>
<tr>
<td>Polarization</td>
<td>Linear</td>
</tr>
<tr>
<td>3dB Beamwidth (deg)</td>
<td></td>
</tr>
<tr>
<td>E Plane:</td>
<td>104 - 31</td>
</tr>
<tr>
<td>H Plane:</td>
<td>94 - 35</td>
</tr>
<tr>
<td>Cross Pol. Isolation (dB)</td>
<td>25 Typ.</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.5:1 Typ.</td>
</tr>
<tr>
<td>Connector</td>
<td>N-Female</td>
</tr>
<tr>
<td>Power Handling (W)</td>
<td>500 Max. CW</td>
</tr>
<tr>
<td>Material</td>
<td>Al</td>
</tr>
<tr>
<td>Size (mm)</td>
<td>492 x 320 x 436</td>
</tr>
<tr>
<td>Net Weight (Kg)</td>
<td>7.4 Around</td>
</tr>
</tbody>
</table>

## Outline Drawing (Size: mm)

N-Female Output
N-Female Output with L type mounting bracket

N-Female Output with Radome
N-Female Output with L type mounting bracket & Radome
Test Results

1. Gain

![Graph showing gain (dBi) vs. frequency (GHz) for 1m, 3m, and 10m distances.]

2. Antenna Factor

![Graph showing antenna factor (dB/m) vs. frequency (GHz) for 1m, 3m, and 10m distances.]

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3. Cross Polarization Isolation

![Graph showing cross polarization isolation over frequency]

4. VSWR

![Diagram showing VSWR measurements across frequency]

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5. Pattern

Frequency: 0.4GHz

Frequency: 0.6GHz

Frequency: 0.8GHz

Frequency: 1.0GHz

Frequency: 1.5GHz

Frequency: 2.0GHz

3dB Beamwidth (deg): 93.10
3dB Beamwidth (deg): 103.64
3dB Beamwidth (deg): 62.46
3dB Beamwidth (deg): 75.67
3dB Beamwidth (deg): 49.21
3dB Beamwidth (deg): 61.21
3dB Beamwidth (deg): 64.00
3dB Beamwidth (deg): 48.17
3dB Beamwidth (deg): 37.44
3dB Beamwidth (deg): 41.62
3dB Beamwidth (deg): 53.02
3dB Beamwidth (deg): 31.02

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0.4 – 6.0 GHz Broadband Horn Antenna

Frequency: 5.5GHz

H-Plane ——— E-Plane ———
3dB Beamwidth (deg): 35.65  3dB Beamwidth (deg): 46.38

Frequency: 6.0GHz

H-Plane ——— E-Plane ———
3dB Beamwidth (deg): 36.01  3dB Beamwidth (deg): 43.82