Technical Specification

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Polarization</td>
<td>RHCP or LHCP</td>
</tr>
<tr>
<td>Frequency Range(GHz)</td>
<td>2 - 18</td>
</tr>
<tr>
<td>Gain(dBiC)</td>
<td></td>
</tr>
<tr>
<td>Without Radome</td>
<td>-5.99@2GHz</td>
</tr>
<tr>
<td></td>
<td>4.41@8GHz</td>
</tr>
<tr>
<td></td>
<td>1.37@18GHz</td>
</tr>
<tr>
<td>With Radome</td>
<td>-5.42@2GHz</td>
</tr>
<tr>
<td></td>
<td>4.25@8GHz</td>
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<tr>
<td></td>
<td>0.94@18GHz</td>
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<tr>
<td>Axial Ratio(dB)</td>
<td>3.5 Max.</td>
</tr>
<tr>
<td>3dB Beamwidth(deg)</td>
<td>Without Radome E: 100 - 55</td>
</tr>
<tr>
<td></td>
<td>H: 105 - 55</td>
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<tr>
<td>VSWR</td>
<td>2.0 : 1 Typ.</td>
</tr>
<tr>
<td></td>
<td>3.0 : 1 Max</td>
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<tr>
<td>Connector</td>
<td>SMA- Female</td>
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<tr>
<td>Net Weight(Kg)</td>
<td>0.17 Around (Without Radome)</td>
</tr>
<tr>
<td></td>
<td>0.18 Around (With Radome)</td>
</tr>
<tr>
<td>Material For Radome</td>
<td>Rigid Foam</td>
</tr>
<tr>
<td>Operating Environment For Radome</td>
<td>Outdoor Application; Water Proof &amp; Dust Proof</td>
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</tbody>
</table>
Outline Drawing (Size: mm)

With SMA-Female Output

With SMA-Female Output & Round Mounting Bracket
With SMA-Female Output & L Type Mounting Bracket

With SMA-Female Output & Radome
With SMA-Female Output & Round Mounting Bracket & Radome

With SMA-Female Output & L Type Mounting Bracket & Radome
Test Results

1. Gain

-8 -6 -4 -2 0 2 4 6

2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0

Frequency (GHz)

Gain (dBi)

With Radome
Without Radome

2. Antenna Factor

30 35 40 45 50 55 60

2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0

Frequency (GHz)

Antenna Factor (dB/m)

With Radome
Without Radome
3. Axial Ratio

![Axial Ratio Graph]

4. VSWR (DATA: With Radome; MEM: Without Radome)

![VSWR Graph]

**Data subject to change without notice. For current data sheets, please contact:** Sales@ainfoinc.com
5. Pattern

Frequency: 2GHz

Frequency: 3GHz

Frequency: 4GHz

Frequency: 5GHz

Frequency: 6GHz

Frequency: 7GHz

H-Plane ——— E-Plane

3dB Beamwidth(deg): 102.94 3dB Beamwidth(deg): 99.71

3dB Beamwidth(deg): 77.76 3dB Beamwidth(deg): 77.74

3dB Beamwidth(deg): 72.26 3dB Beamwidth(deg): 78.70

3dB Beamwidth(deg): 66.97 3dB Beamwidth(deg): 66.73

3dB Beamwidth(deg): 63.89 3dB Beamwidth(deg): 67.30

3dB Beamwidth(deg): 58.65 3dB Beamwidth(deg): 60.49
Frequency: 8GHz

- H-Plane
- E-Plane

3dB Beamwidth(deg): 62.45

Frequency: 9GHz

- H-Plane
- E-Plane

3dB Beamwidth(deg): 66.09

Frequency: 10GHz

- H-Plane
- E-Plane

3dB Beamwidth(deg): 74.22

Frequency: 11GHz

- H-Plane
- E-Plane

3dB Beamwidth(deg): 71.65

Frequency: 12GHz

- H-Plane
- E-Plane

3dB Beamwidth(deg): 73.72

Frequency: 13GHz

- H-Plane
- E-Plane

3dB Beamwidth(deg): 79.37

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Frequency: 14GHz

H-Plane —— E-Plane

3dB Beamwidth(deg): 73.62

Frequency: 15GHz

H-Plane —— E-Plane

3dB Beamwidth(deg): 69.66

Frequency: 16GHz

H-Plane —— E-Plane

3dB Beamwidth(deg): 55.36

Frequency: 17GHz

H-Plane —— E-Plane

3dB Beamwidth(deg): 58.86

Frequency: 18GHz

H-Plane —— E-Plane

3dB Beamwidth(deg): 75.81