### Technical Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (GHz)</td>
<td>4.0 - 8.0</td>
</tr>
<tr>
<td>Gain (dBi)</td>
<td>20 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>21 - 12</td>
</tr>
<tr>
<td>H Plane:</td>
<td>22 - 15</td>
</tr>
<tr>
<td>Cross Pol. Isolation (dB)</td>
<td>35 Typ.</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.50:1 Typ.</td>
</tr>
<tr>
<td>Output</td>
<td></td>
</tr>
<tr>
<td>N-Female or SMA-Female</td>
<td></td>
</tr>
<tr>
<td>or TNC-Female</td>
<td></td>
</tr>
<tr>
<td>or 7mm or 3.5mm-Female</td>
<td></td>
</tr>
<tr>
<td>Power Handling (W CW)</td>
<td></td>
</tr>
<tr>
<td>N-Female:</td>
<td>150 Max.</td>
</tr>
<tr>
<td>SMA-Female:</td>
<td>50 Max.</td>
</tr>
<tr>
<td>TNC-Female:</td>
<td>150 Max.</td>
</tr>
<tr>
<td>7mm:</td>
<td>150 Max.</td>
</tr>
<tr>
<td>3.5mm-Female:</td>
<td>50 Max.</td>
</tr>
<tr>
<td>Material</td>
<td>Al</td>
</tr>
<tr>
<td>Size (mm)</td>
<td>225 x 173 x 315</td>
</tr>
<tr>
<td>Net Weight (Kg)</td>
<td>1.0 Around</td>
</tr>
</tbody>
</table>

### Outline Drawing (Size: mm)

N-Female Output (P/N: LB-OH-159-20-C-NF)

For SMA-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.
N-Female Output with **Round Mounting Bracket** (Option, P/N: LB-159-10-C-MB)
For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

N-Female Output with **L Type Mounting Bracket** (Option, P/N: LB-159-10-C-MBL)
For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.
N-Female Output with **Radome** (Option, P/N: LB-OH-159-20-C-NFSPO, Outdoor Application)
For SMA-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

N-Female Output with **Round Mounting Bracket & Radome** (Option, P/N: LB-159-10-C-MB & LB-OH-159-20-C-NFSPO, Outdoor Application)
For SMA-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.
N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-159-10-C-MBL & LB-OH-159-20-C-NFSPO, Outdoor Application)

For SMA-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.
Test Results

1. Gain & Antenna Factor

![Graph of Gain vs Frequency](image1)

![Graph of Antenna Factor vs Frequency](image2)
2. Cross Pol. Isolation

![Graph showing Cross Pol. Isolation vs Frequency](image)

3. VSWR

![Graph showing VSWR vs Frequency](image)
4. Pattern

Frequency: 4.0GHz

- H-Plane
- E-Plane
3dB Beamwidth (deg): 21.98

Frequency: 4.5GHz

- H-Plane
- E-Plane
3dB Beamwidth (deg): 20.07

Frequency: 5.0GHz

- H-Plane
- E-Plane
3dB Beamwidth (deg): 18.21

Frequency: 5.5GHz

- H-Plane
- E-Plane
3dB Beamwidth (deg): 17.26

Frequency: 6.0GHz

- H-Plane
- E-Plane
3dB Beamwidth (deg): 16.66

Frequency: 6.5GHz

- H-Plane
- E-Plane
3dB Beamwidth (deg): 16.25

Data subject to change without notice. For current data sheets, please contact: Sales@ainfoinc.com
Frequency: 7.0GHz

-30 -20 -10 0 10 20 30
-180 -120 -60 0 60 120 180

H-Plane  E-Plane

3dB Beamwidth (deg): 16.04  3dB Beamwidth (deg): 15.89

Frequency: 7.5GHz

-30 -20 -10 0 10 20 30
-180 -120 -60 0 60 120 180

H-Plane  E-Plane

3dB Beamwidth (deg): 15.89  3dB Beamwidth (deg): 12.86

Frequency: 8.0GHz

-30 -20 -10 0 10 20 30
-180 -120 -60 0 60 120 180

H-Plane  E-Plane

3dB Beamwidth (deg): 16.32  3dB Beamwidth (deg): 12.09