Log-Periodic Antennas

ANT-LPA

FEATURES
• Broadband Performance
• Linear Polarization
• Constant Gain

DESCRIPTION
NSI-MI Technologies’ Linear Polarized Log-Periodic Antennas (ANT-LPA) are dipole arrays designed to have nearly constant gain and input impedance over a broad frequency range. A mounting flange is located at the base of the array for easy attachment to positioning systems.

INCLUDES
• ANT-LPA Log-Periodic Antenna
• User Manual

IDEAL FOR
• Compliance Testing
• Radiated Emissions
• VHF and UHF Source Antenna

AVAILABLE ADD-ONS
• Mounting Hardware

Test with Confidence™
SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range (GHz)</th>
<th>Nominal Gain (dBi)</th>
<th>Average Power (W)</th>
<th>Nominal Beamwidth* (deg)</th>
<th>Dimensions, H x W cm (in.)</th>
<th>RF Connector</th>
<th>Center of Gravity cm (in.)</th>
<th>Weight kg (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT-LPA-0.1-1</td>
<td>0.1 - 1.0</td>
<td>8</td>
<td>200</td>
<td>60° E-Plane 120° H-Plane</td>
<td>180 x 152 (71 x 60)</td>
<td>N-Female</td>
<td>60 (24)</td>
<td>5 (11)</td>
</tr>
<tr>
<td>ANT-LPA-0.15-1</td>
<td>0.15 - 1.0</td>
<td>8</td>
<td>200</td>
<td>60° E-Plane 120° H-Plane</td>
<td>117 x 99 (46 x 39)</td>
<td>N-Female</td>
<td>27 (11)</td>
<td>3.6 (8)</td>
</tr>
<tr>
<td>ANT-LPA-0.2-1</td>
<td>0.2 - 1.0</td>
<td>8</td>
<td>200</td>
<td>60° E-Plane 120° H-Plane</td>
<td>81 x 74 (32 x 29)</td>
<td>N-Female</td>
<td>16.5 (6.5)</td>
<td>2.5 (5.5)</td>
</tr>
<tr>
<td>ANT-LPA-0.35-1</td>
<td>0.35 - 1.0</td>
<td>8</td>
<td>200</td>
<td>60° E-Plane 120° H-Plane</td>
<td>43 x 43 (17 x 17)</td>
<td>N-Female</td>
<td>5.08 (2)</td>
<td>1.8 (4)</td>
</tr>
</tbody>
</table>

*Measured E and H-plane patterns can be provided.

TYPICAL MEASURED DATA

ANT-LPA MOUNTING PLATE CONFIGURATION

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