

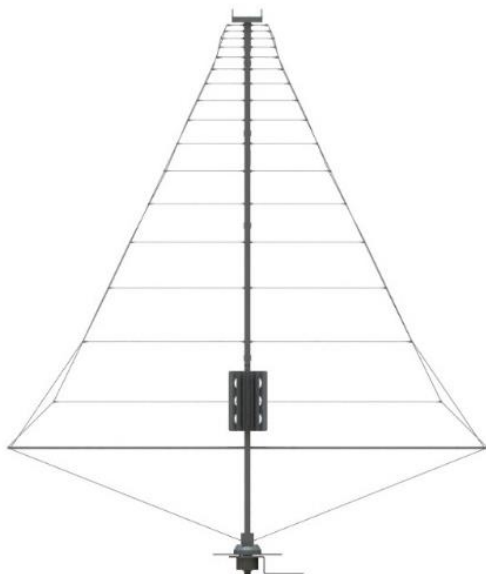
Wideband Wire LPDA

80 – 3000 MHz

Product Code: LPDA-A0124

VERSION: 1.1

SPECIFICATIONS:



| | |
|---|--|
| Electrical: | |
| Frequency range | 80 – 3000 MHz |
| VSWR: | < 2.5:1 |
| Gain | > 6 dBi typical |
| Nominal impedance | 50 Ω |
| Elevation 3 dB beamwidth | 60° |
| Azimuth 3 dB beamwidth | 110° |
| Polarisation | Linear, adjustable vertical and horizontal |
| Power handling | Receive only |
| Connector | N-type female |
| Mechanical: | |
| Dimensions | Length: 2650 mm excl. mounting Width: 2000 mm Height: 200 mm |
| Total mass | < 16 kg |
| Material | Aluminium, fibreglass, stainless steel wire |
| Mounting method | Swivel bracket attached with U-bolts to mast. Quick removal system |
| Environmental: designed to meet the following specifications | |
| Temperature range | Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C |
| Wind survival | 120 km/h (without ice) |
| Ingress protection | IP 56 |

PRODUCT OVERVIEW:

The LPDA-A0124 is a directional log-periodic dipole array that covers the frequency band 80 to 3000 MHz with a typical gain of 6 dBi. It can be used as a spectrum monitoring antenna. It is also used for EMC emission and susceptibility testing.

Polarisation is adjustable between vertical and horizontal via the mounting bracket.

The wire construction of this antenna makes it lightweight and allows for very compact storage. It is easy to collapse the antenna and break off any accumulated ice.

All antenna elements are permanently attached to the boom, preventing any parts from becoming lost in the field.

PRODUCT FEATURES:

- Low VSWR and high gain over the frequency band
- Vertical and horizontal polarisation
- Quick deployment
- Compact storage

*U.S. Patent No. 8,698,693 B2

*ZA Patent No. 2011/01866