

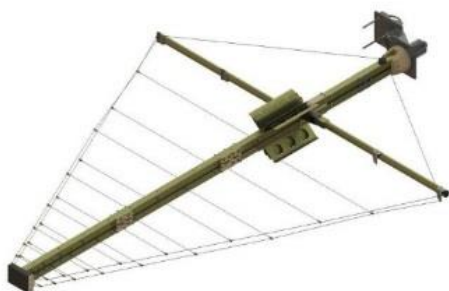
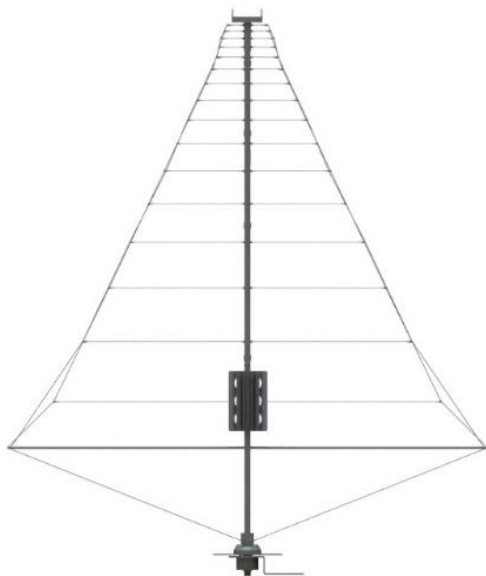
Wideband Wire LPDA

80 – 3000 MHz

Product Code: LPDA-A0125

VERSION: 1.0

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	1000 W CW up to 500 MHz Rolling off to 250 W at 3 GHz
Connector	7/16 female
Mechanical:	
Dimensions	Length: 2650 mm excl. mounting Width: 2000 mm Height: 200 mm
Total mass	< 18 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-A0125 is a directional log-periodic dipole array that covers the frequency band 80 to 3000 MHz with a typical gain of 6 dBi with up to 1 kW of feed power handling capability.

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