

Wideband Foldable LPDA Antenna

20 – 100 MHz

Product Code: LPDA-A0150

VERSION: 1.2



Figure 1: Antenna in deployed configuration



Figure 2: Antenna in stowed configuration

PRODUCT FEATURES:

- Quick deployment
- Compact storage
- Wideband
- Low and stable VSWR
- Vertical or horizontal polarisation

SPECIFICATIONS:

Electrical:	
Frequency range	20 – 100 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	2000 W
Gain	6 dBi typical -2 dBi minimum from 20 – 30 MHz
Polarisation	Adjustable (vertical or horizontal)
Mechanical:	
Dimensions (deployed)	6400 mm x 550 mm x 5700 mm
Dimensions (stowed)	6700 mm x 550 mm x 600 mm
Total mass	< 45 kg excl. isolation pole
Mounting method	On a swivel bracket fitted to the mast (requires isolation pole to change polarisation which is standard issue)
Environmental: designed to meet the following specifications	
Wind survival	120 km/h
Temperature (operational)	-35 °C to 71 °C
Temperature (storage)	-35 °C to 71 °C
Exposed materials	Aluminium, stainless steel

PRODUCT DESCRIPTION:

The LPDA-A0150 is medium-gain wideband directional LPDA antenna and covers the frequency band from 20 MHz to 100 MHz.

This antenna has foldable elements which makes the antenna easy to stow and deploy. There are no loose parts and no tools required to deploy the antenna. This makes the antenna ideal for tactical applications as well as for use in harsh environments and installations where there is limited space for operators to manoeuvre.

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