

# Tactical Foldable LPDA Antenna

30 – 88 MHz

Product Code: LPDA-A0161

VERSION: 1.1

## SPECIFICATIONS:



Figure 1: Antenna in deployed configuration



Figure 2: Antenna in stowed configuration

<b>Electrical:</b>	
Frequency range	30 – 88 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	N-Type female
Feed power handling	100 W
Gain	See gain graph
Polarisation	Adjustable (vertical or horizontal)
<b>Mechanical:</b>	
Dimensions (deployed)	4400 mm x 550 mm x 3100 mm
Dimensions (stowed)	4600 mm x 550 mm x 580 mm
Dimensions (packed)	3x 1600mm x 300mm x 300mm boom sections
Total mass	< 25 kg
Mounting method	On a swivel bracket fitted to the mast (requires isolation pole to change polarisation)
<b>Environmental: designed to meet the following specifications</b>	
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 FEATURES:

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

## PRODUCT DESCRIPTION:

The LPDA-A0161 is medium-gain tactical wideband directional LPDA antenna and covers the frequency band from 30 MHz to 88 MHz.

This antenna has foldable elements and sectional boom which makes the antenna easy to stow, deploy and transport. 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.

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