

SPECIFICATIONS:

Electrical:	
Frequency range	1000 – 3000 MHz
VSWR	2:1
Nominal input impedance	50 Ω
Connector	7/16 female
Feed power handling	200 W
MTBF	50,000 hrs
Gain on horizon	9 dBi typical
Polarisation	Linear, adjustable vertical and horizontal
Mechanical:	
Dimensions (d x l)	145 mm x 700 mm
Total mass	4 kg (excluding mounting bracket)
Colour	Aluminium, Stainless Steel, Fibreglass
Mounting method	Standard four-bolt bracket at back of antenna
Environmental:	
Wind survival on mast	160 km/h (calculated)
Temperature (operational)	-30° C (No icing) to +65° C
Water and dust resistance	IP67

PRODUCT FEATURES:

- Hi feed power handling of 200 W
- Low VSWR
- High gain over the band
- Rugged design

APPLICATIONS:

- Wide band monitoring and jamming

PRODUCT DESCRIPTION:

The high powered LPDA is a directional log-periodic dipole array primarily designed for EW applications. It covers the 1000 - 3000 MHz frequency band at 200 W of power, with a typical gain of 9 dBi.

The antenna is easily mounted for either vertical or horizontal polarisation.

This antenna can be customised if required, for different frequency ranges.

Hi-Power LPDA Antenna

1000 - 3000 MHz

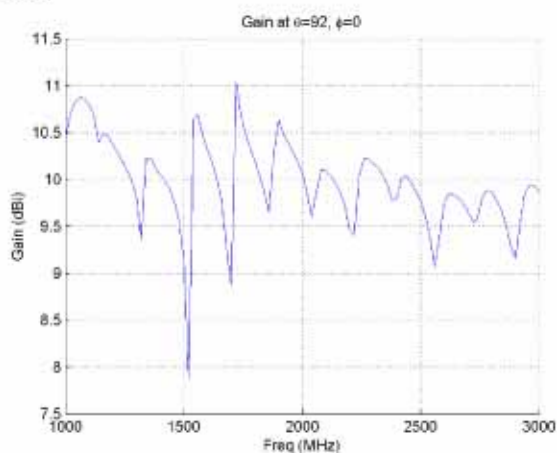
Product Code: LPDA-A0032

PRODUCT STATUS: COTS

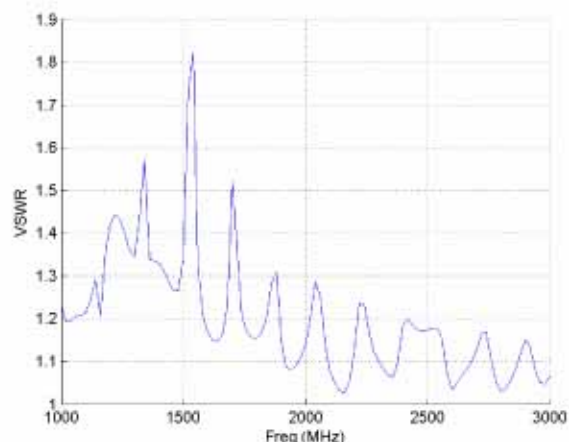
VERSION: 1.0

VSWR AND GAIN GRAPHS

GAIN

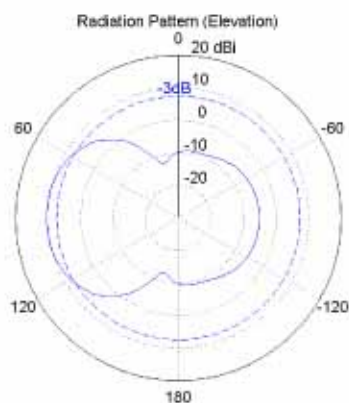


VSWR

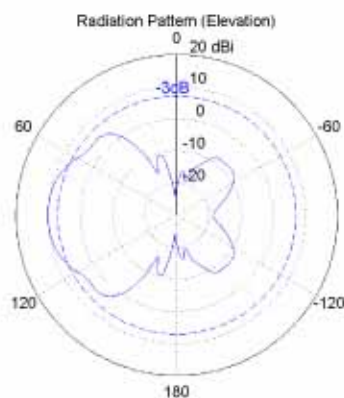


RADIATION PATTERNS

Radiation Patterns at 1000 MHz



Radiation Patterns at 2000 MHz



Radiation Patterns at 3000 MHz

