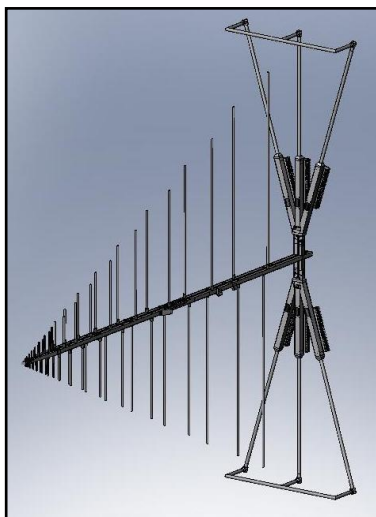


## SPECIFICATIONS:



<b>Product codes:</b>	
LPDA-A0036-01	1000 W up to 1 GHz rolling off to 250 W @ 3 GHz
LPDA-A0036-02	250 W up to 90 MHz 1000 W up to 1 GHz rolling off to 250 W @ 3 GHz
LPDA-A0036-03	Receive only version, 50 W
<b>Electrical:</b>	
Frequency range	20 – 3000 MHz
VSWR	LPDA-A0036-01: < 3.0:1 over 95% of the band LPDA-A0036-02: < 3.0:1 over 95% of the band LPDA-A0036-03: < 10.0:1 up to 60 MHz < 2.5:1 from 60 – 3000 MHz
Nominal input impedance	50 Ω
Connector	7/16 female
Gain on horizon	6 dBi typical
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	110°
Polarisation	Adjustable (vertical or horizontal)
Power handling	Depends on version. See above.
<b>Mechanical:</b>	
Dimensions (l x w x h)	2882 mm x 2804 mm x 829 mm
Mass	LPDA-A0036-01: 20 kg LPDA-A0036-02: 14 kg LPDA-A0036-03: 10 kg Isolating pole: 12 kg
Materials	Aluminium, stainless steel, fibreglass
Colour	As per request
Mounting method	On a swivel bracket fitted to the mast (requires isolation pole to change polarisation which is standard issue)
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h (calculated)
Temperature range	-31 °C to +49 °C (ambient temperature)
Water and dust resistance	IP67

## PRODUCT FEATURES:

- Low VSWR and high gain
- High-power handling
- Vertical and horizontal polarisation
- Easy to assemble and disassemble
- Rugged construction

## APPLICATIONS:

- Wideband monitoring
- Wideband high-power applications

## PRODUCT DESCRIPTION:

The LPDA-A0036 is a directional log-periodic dipole array that covers the 20 to 3000 MHz frequency band.

The high-power versions of the antenna are intended for high-power applications.

The antenna exhibits a typical gain of 6 dBi over 90% of the band with the polarisation adjustable between vertical and horizontal via a swivel mounting bracket.

# Wideband LPDA Antenna

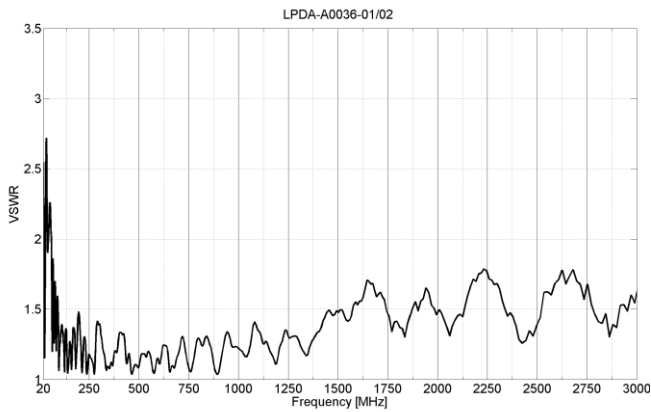
20 – 3000 MHz

Product Code: LPDA-A0036

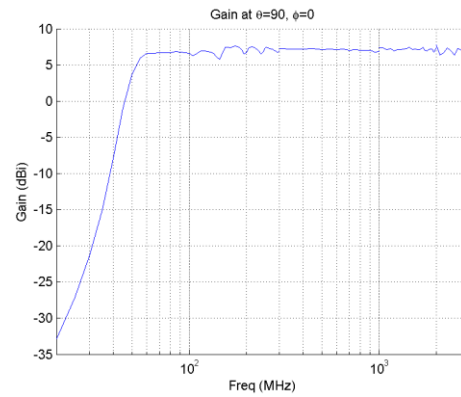
VERSION: 3.6

## DIMENSIONS AND PERFORMANCE GRAPHS:

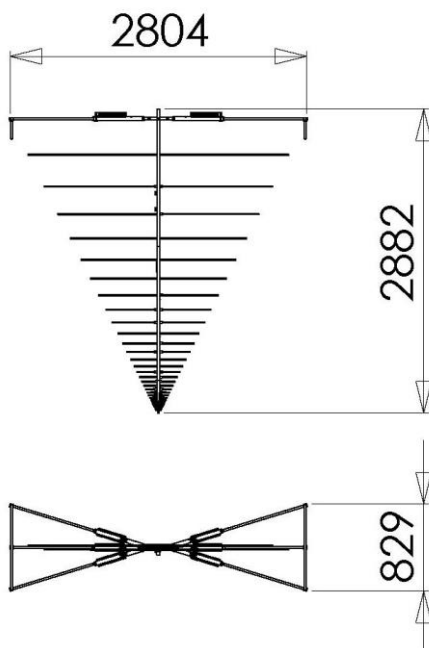
### VSWR:



### GAIN:



### DIMENSIONS:



### POWER HANDLING:

