

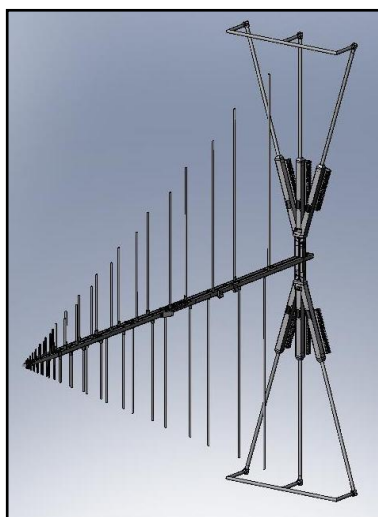
Wideband LPDA Antenna

20 – 3000 MHz

Product Code: LPDA-A0036

VERSION: 4.3

SPECIFICATIONS:



Product codes:	
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
LPDA-A0036-05	2000 W up to 100 MHz 1500 W up to 520 MHz 1000 W up to 1 GHz Rolling off to 250 W at 3 GHz
Electrical:	
Frequency range	20 – 3000 MHz
VSWR	LPDA-A0036-01/-02/-05: < 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° typical
H-plane 3 dB beamwidth	110° typical
Polarisation	Adjustable (vertical or horizontal)
Mechanical:	
Dimensions (l x w x h)	2882 mm x 2804 mm x 829 mm
Mass	LPDA-A0036-01/-05: 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)
Environmental: designed to meet the following specifications	
Wind survival	160 km/h (calculated)
Temperature range	LPDA-A0036-01/-02-05 -31 °C to +55 °C (ambient temperature) LPDA-A0036-03 -31 °C to +71 °C (ambient temperature)
Water and dust resistance	IP56

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

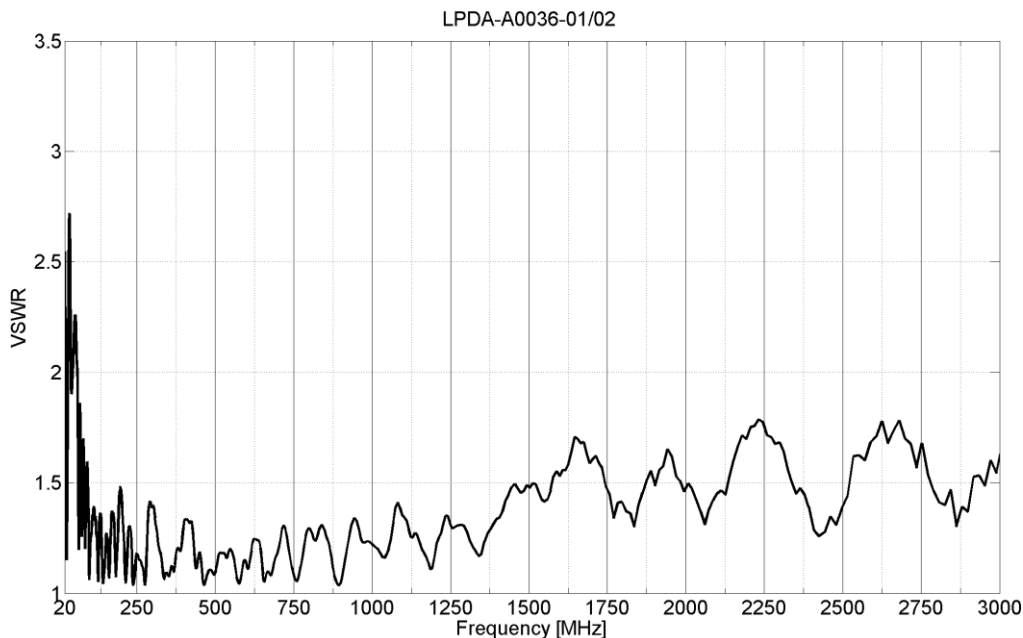
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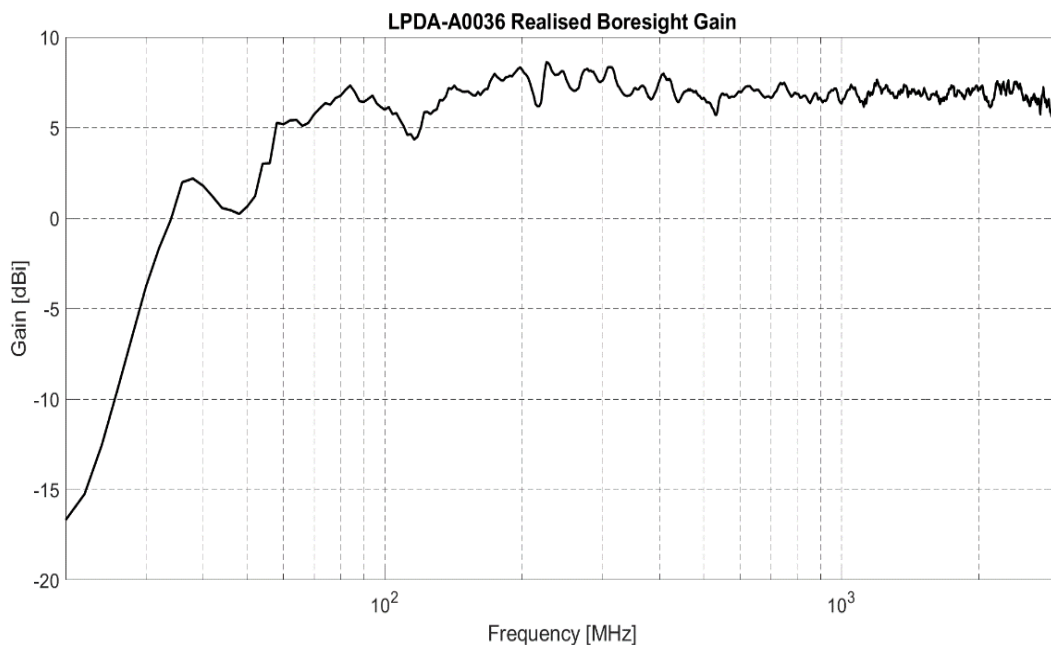
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DIMENSIONS AND PERFORMANCE GRAPHS:

VSWR:



GAIN:



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Cyntony Corporation
195 Follen Road
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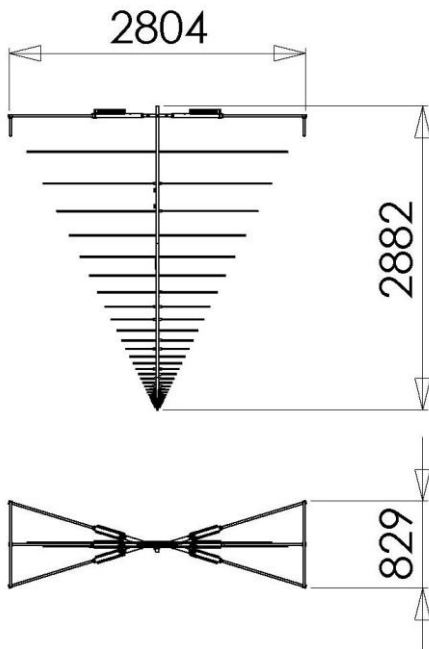
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20 – 3000 MHz

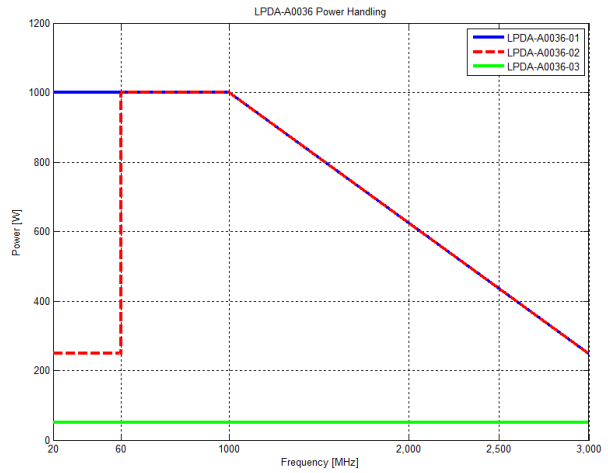
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DIMENSIONS:



POWER HANDLING:



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