

SPECIFICATIONS:

Electrical:	
Frequency range	400 – 3000 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω DC grounded
Connector	N-type female
Feed power handling	250 W CW
Gain	> 6.5 dBi typical
E-plane 3 dB beamwidth	$\geq 65^\circ$
H-plane 3 dB beamwidth	$\geq 110^\circ$
Polarisation	Vertical / horizontal Configurable at installation
Front-to-back ratio	≥ 15 dB
Mechanical:	
Dimensions (w x l)	460 mm x 580 mm
Material	Aluminium, fibreglass
Total mass	< 10 kg incl. mounting bracket
Mounting method	Bracket onto a mast
Packaging	Transportable bag or crate
MTBF	500,000 h
Environmental: designed to meet the following specifications	
Wind survival	200 km/h
Temperature	-35 $^\circ\text{C}$ to 71 $^\circ\text{C}$
Effective wind area	0.3 m ²
Corrosion	Appropriate anti-corrosion measures are taken in the design of antenna for harsh environmental conditions.

PRODUCT DESCRIPTION:

The LPDA-A0084 directional log-periodic dipole array (LPDA) is designed for high-power applications. It covers a frequency band of 400 to 3000 MHz with a gain of 6.5 dBi

The antenna is completely encapsulated in a radome. The antenna is provided with a mounting bracket allowing it to be mounted for horizontal or vertical polarisation

PRODUCT FEATURES:

- Wideband frequency 400 to 3000 MHz
- VSWR < 2.0:1
- Moderate gain: 6.5 dBi
- Rugged construction
- Ice resistant

PRODUCT APPLICATIONS:

- Wideband high-power

AUTHORIZED USA DISTRIBUTION BY:

Cyntony Corporation
 195 Follen Road
 Lexington, Massachusetts
 sales@cyntony.com
 781-430-0675



High-Power LPDA Antenna

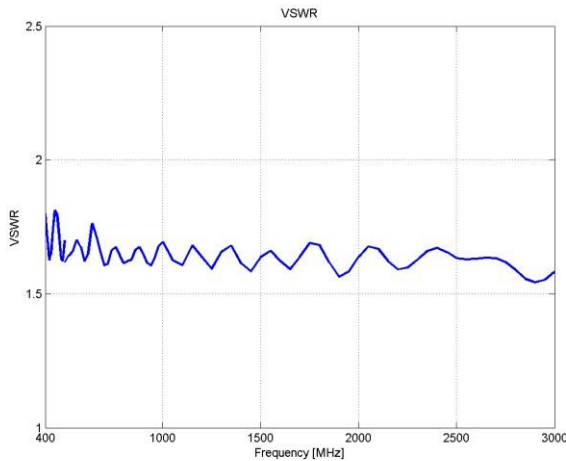
400 – 3000 MHz

Product Code: LPDA-A0084

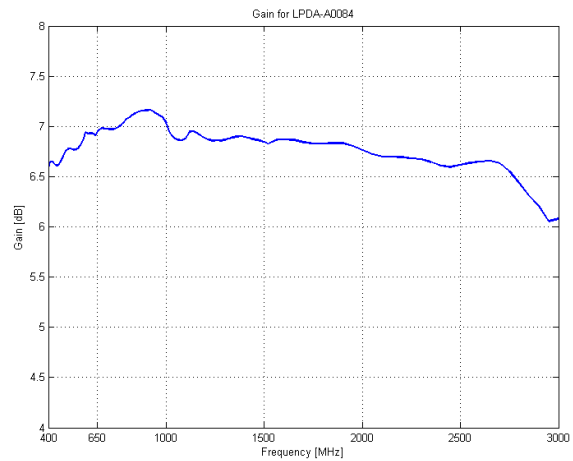
VERSION: 2.4

VSWR AND GAIN GRAPHS:

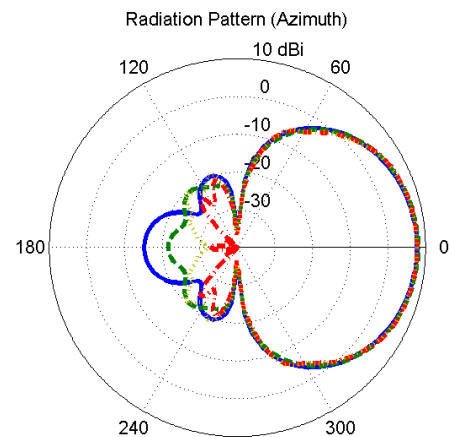
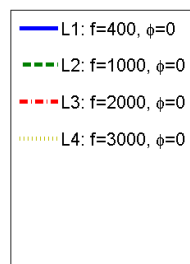
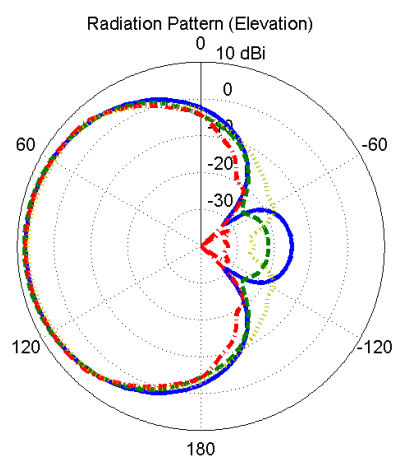
SIMULATED VSWR:



SIMULATED GAIN:



RADIATION PATTERNS:



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