



SPECIFICATIONS:

Electrical:	
Frequency range	800 – 3000 MHz
VSWR	< 2.0:1
Nominal input impedance	50 Ω
Feed power handling	500 W (1-2 GHz) 200 W (2-3 GHz)
Gain (free space)	12 dBi average
Polarisation	Vertical
Connectors	7-16 female
Mechanical:	
Dimensions (w x l x h)	0.55 m x 0.7 m x 0.15 m
Material	Aluminium, stainless steel, fibreglass
Total mass	4.5 kg including mounting bracket
Environmental:	
Wind survival	160 km/h (theoretical)
Temperature range	- 30 °C to + 65 °C
Water and dust resistance	IP65
Corrosion	Appropriate anti-corrosion measures are taken in the design of antenna for harsh environmental conditions.

PRODUCT FEATURES:

- Wideband frequency 800 to 3000 MHz
- VSWR < 2.0:1
- High gain: 12 dBi average
- 200 W power handling
- Rugged construction

PRODUCT APPLICATIONS:

- Wideband jamming
- Covers the GSM-800, 900, 1800, 1900 and 3G frequency bands

PRODUCT DESCRIPTION:

This directional log-periodic dipole array (LPDA) is primarily designed for high-power jamming applications. It covers a frequency band of 800 to 3000 MHz with an average gain of 12 dBi. The antenna is supplied with hardware to mount onto a 60 mm mast.

The antenna consists of two high gain log-periodic antennas in a common radome. The antennas are connected in phase using a power divider. This allows high gain within a relatively small radome.

High-Power LPDA Antenna

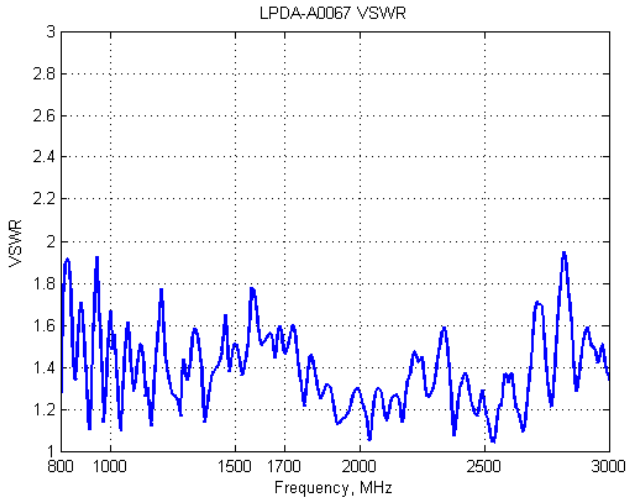
800 – 3000 MHz

Product Code: LPDA-A0052

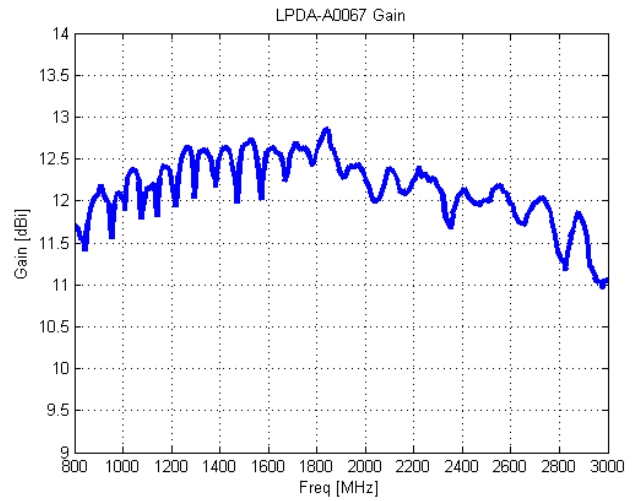
VERSION: 2.0

VSWR AND GAIN GRAPHS:

Typical VSWR

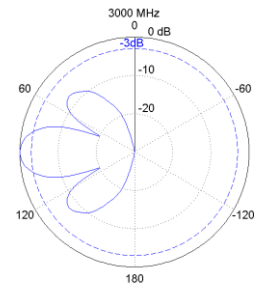
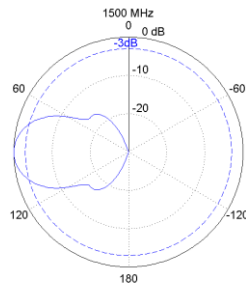
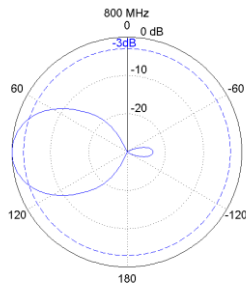


GAIN



PATTERNS

Radiation Patterns (E-plane)



Radiation Patterns (H-plane)

