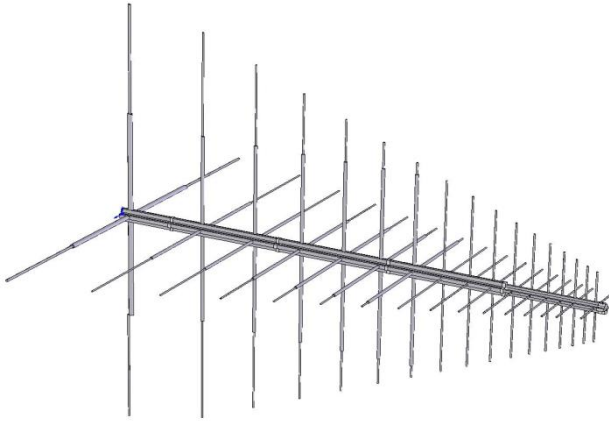


Dual-Polarised LPDA Antenna

20 – 500 MHz

Product Code: LPDA-A0070

VERSION: 2.5



SPECIFICATIONS:

Electrical:	
Frequency range	20 – 500 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	2x N-type female
Feed power handling	100 W
MTBF	50,000 h
Gain	5.5 dBi typical, -2 dBi minimum from 20 – 30 MHz
E-plane 3 dB beamwidth	55°
H-plane 3 dB beamwidth	100°
Polarisation	Dual (vertical and horizontal)
Mechanical:	
Dimensions (w x l)	5700 mm x 6700 mm
Weight	46 kg
Material	Aluminium, stainless steel, fibreglass
Mounting method	Bracket onto a mast
Environmental: designed to meet the following specifications	
Temperature (operational)	- 40 °C to +55 °C (no icing)
Wind survival on mast	160 km/h (calculated)

FEATURES:

- Low frequency coverage
- Low VSWR
- High gain of 5.5 dBi over the band
- Easy construction of detachable elements with spring fasteners
- Compact storage as unit is easily broken into smaller parts

APPLICATIONS:

- Wideband monitoring

PRODUCT DESCRIPTION:

The LPDA-A0070 is a dual-polarised log-periodic dipole array primarily designed for monitoring applications. It covers the 20 to 500 MHz frequency band with a typical gain of 5.5 dBi. The antenna has two coaxial connectors for switching between horizontal and vertical polarisation. The antenna breaks into three for compact storage, and can be fully erected from packaged by two people in less than 10 minutes.

Dual-Polarised LPDA Antenna

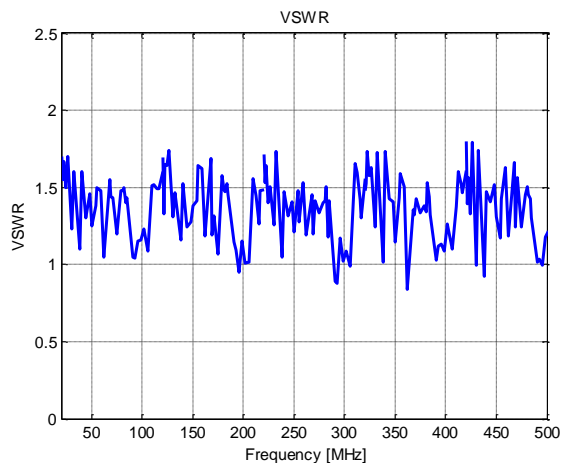
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VSWR AND GAIN GRAPHS:

VSWR:



GAIN:

