

# 100 – 500 MHz Log Periodic Dipole Array

100 – 500 MHz

Product Code: RLP100-500

VERSION: 1.2

## SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	100 – 500 MHz
VSWR	< 2.5:1
Input impedance	50 $\Omega$ Nominal
Connector	N-female
Forward gain	6 dBi
Front-to-back ratio	15 dB
Maximum input power	400W
Polarization	Linear (Vertical or horizontal)
E-plane 3dB beamwidth	Approx. 60 deg.
H-plane 3dB beamwidth	Approx. 80 deg.
<b>Mechanical:</b>	
Boom length x width	1.25m x 1.58m
Total mass	5 kg
Number of elements	12
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	120 km/h
Temperature range	- 30 °C to + 65 °C
Water and dust resistance	IP 65

## PRODUCT DESCRIPTION:

The RLP100-500 Log Periodic Dipole Array is a directional V/UHF antenna, operating in the frequency range 100-500 MHz, designed for general purpose long range V/UHF communications, monitoring and interception applications. Constructed from aluminium with an epoxy paint finish, the RLP100-500 is lightweight and durable, ensuring many years of trouble free, high performance service. Supplied in kit form, all mounting and assembly hardware, and detailed instructions can be provided in a handy storage bag for easy assembly. Typical assembly time is 10 minutes.

## PRODUCT FEATURES:

- Lightweight
- Durable
- Quick deployment

## APPLICATIONS:

- Long range V/UHF communications

