

Section 1

BASE STATION ANTENNAS

Updated 14 February 2011

LPY600 UHF Log Periodic Yagi

Frequency
500 – 800 MHz

Bandwidth
FULL BAND



The LPY600 Log Periodic Yagi provides exceptionally broad bandwidth coverage across the full UHF frequency range 500 to 800 MHz at better than 2:1 VSWR with a consistent 6 dBi gain.

The high quality stainless steel construction ensures long term reliable service.

The Yagi boom is 47 cm long and the longest element 32 cm wide. Mount the Yagi either horizontal or vertical as the application requires.

The 200 mm RG58 stranded cable tail is terminated with a BNC female connector. Other connectors can be fitted upon request.

A welded angle plate clamp is supplied to mount the Yagi to a round mast up to 50 mm in diameter.



SPECIFICATIONS	LPY600
Construction	Stainless steel with UV resistant black PVC caps
Frequency Range	500 to 800 MHz full band
VSWR	Less than 2:1 across the full band
Tuning	Factory
Gain	6 dBi across the full band
Maximum Input Power	250 Watts
Nominal Impedance	50 Ohms
Polarisation	Horizontal or Vertical as required
E-Plane	59° depending upon frequency
H-Plane	98° depending upon frequency
Front-to-Back Ratio	24 dB
DC Grounding	Yes
Cable Tail	200 mm RG58 stranded
Connector	BNC Female fitted, or other as specified
Boom Length	47 cm
Longest Element	32 cm
Weight	670 grams
Projected Area	0.02 m ²
Wind Load at 160 kph	2.47 kg, 0.024 kN
Mounting Bracket Supplied	Welded angle plate clamp to suit round mast up to 50 mm in diameter
Packaging	In cardboard box the same size as the antenna. No assembly required.

