



Application

The VHF30108LPDA and VHF30512LPDA are transportable log-periodic dipole array antennas suitable for field deployment. The antenna can be folded and stored in a bag for transportation. The antenna is available in two configurations:-

VHF30108LPDA - 30-108 MHz

VHF30512LPDA - 30-512MHz

Electrical specification

Frequency range	VHF30108LPDA - 30-108 MHz VHF30512LPDA - 30-512MHz
VSWR	< 3.5:1
Nominal impedance	50 ohm
Power rating	100 W cw
Gain	> 5dBi average
Front/back ratio	> 15 db
Polarisation	Adjustable linear
Connector	BNC Female



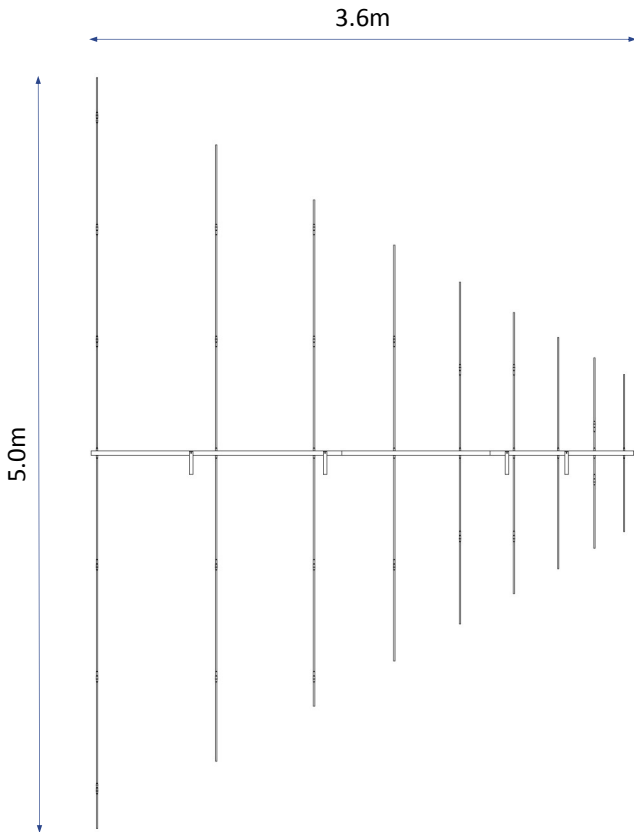
Antenna shown collapsed for transportation

Mechanical specifications

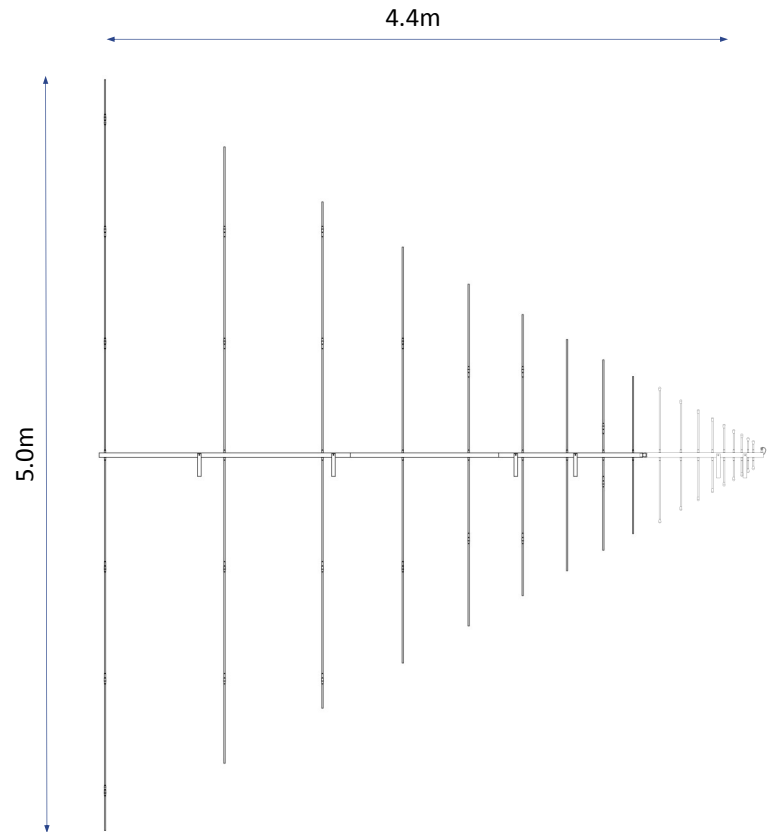
	VHF30108LPDA	VHF30512LPDA
Design	The antenna utilises a new technology with sectional glass fibre elements that gives optimum tuning capabilities with reduced weight. The feeder assembly is painted aluminium.	
Weight	10 kg	12 kg
Dimensions (see diagram)	3.6 x 5.0 m	4.4 X 5.0 m
Mounting	Socket to fit a 50 mm spigot Customer specific sizes on request	
Finish	Matt black polyurethane lacquer	
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F	

Dimensions

VHF30108LPDA (30-108MHZ)

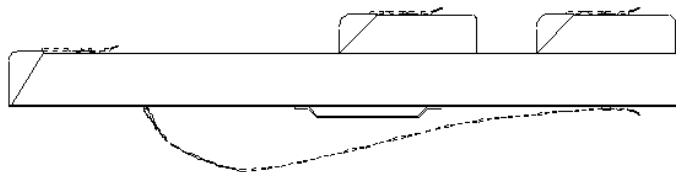


VHF30512LPDA (30-512MHZ)



Kit List

Description	VHF30108LPDA	VHF30512LPDA
	Qty	Qty
Antenna sections, elements strapped to boom with Velcro	1	1
Extra front antenna section, (VHF174512LPDA)		1
20m RG58 coaxial cable on winder	1	1
Feed point adapter	1	1
Mast adapter	1	1
Adapter AMX85, 50mm	1	1
Bag	1	1



Antenna is packed into a bag for transportation
Bag dimensions 1320 x 225 x 160 mm