

Shrouded Yagi 1350-1517 MHz

DESCRIPTION

A Shrouded Yagi antenna for SHF Links in the 1.4 GHz band. All elements are enclosed in a weather resistant, glassfibre shroud to provide consistent, reliable performance in all weather conditions.

- Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	1350 - 1517 MHz
Max. Input Power	100 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	26 °
3 dB Beamwidth, H-Plane	28 °
Impedance	50 Ω
Gain	17.2 dBi (15 dBd)
VSWR	< 1.3:1
Front-To-Back Ratio	> 25 dB typical
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	N(f)
Materials	Shroud, GRP Radiating assembly, Aluminium Mounting section 50 mm diameter, Aluminium
Length	1300 mm / 51.18 in.
Wind Load	150 N (160km/h)
Weight	3 kg / 6.61 lb
Mounting Bracket	3202078/68 (Ordered Separately)
Alternate Mounting Bracket	0300064/00 + U-bolts to match mounting pipe diameter (Ordered Separately)

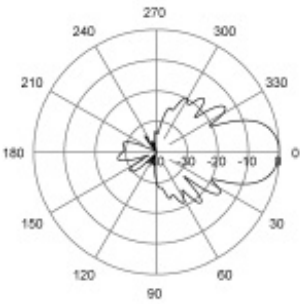
ORDERING

Model	Product No.	Frequency
Shrouded Yagi 1350-1517 MHz	5227000	1350 - 1517 MHz
Cast aluminium cross clamp, circular	0300064/00	
M8 x 50mm (2") U-Bolts (1 Pair)	4884036/00	
M8 x 75mm (3") U-Bolts (1 Pair)	4884076/00	
Fixed norstel / coupler clamp (cross clamp)	3202078/68	



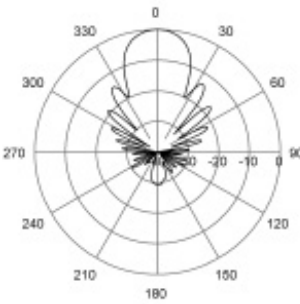
DIAGRAM

RADIATION PATTERNS



E-Plane | 1434 MHz

RADIATION PATTERNS



H-Plane | 1434 MHz