

12 element Yagi 450-470 MHz

DESCRIPTION

A 12-element UHF Yagi antenna with High F/B ratio for PMR/Trunked Radio and Broadcast applications that carries UK R.A. approval to MPT1411 for UHF Telemetry applications. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	450 - 470 MHz
Max. Input Power	150 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	33 °
3 dB Beamwidth, H-Plane	36 °
Impedance	50 Ω
Gain	12 dBd (14.2 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 22 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	N(f) on 3m RG213/U cable
Materials	Boom, 32 mm dia. aluminium elements, 12.7 mm dia. aluminium balun, Fully moulded enclosure
Length	2070 mm / 81.50 in.
Wind Load	150 N (160km/h)
Weight	6 kg / 13.23 lb
Mounting Bracket	3202078/68 + 3201079/00 (Ordered Separately)
Alternate Mounting Bracket	0900912/00, 0302032/68, or 0300064/00 + U-Bolts to match mounting pipe diameter (Ordered Separately)
Mounting Accessories	0900018/00 Trombone 2-point mount

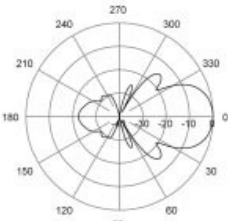
ORDERING

Model	Product No.	Frequency
12 element Yagi 450-470 MHz	7018450	450 - 470 MHz
Galvanised steel crossover bracket 32/50mm	0900912/00	
Pressed steel cross clamp 2" x 1-1/4" (JBL73)	0302032/68	
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	
Increasing sleeve	3201079/00	



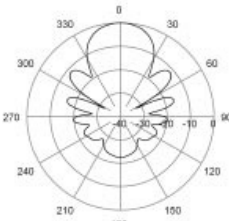
DIAGRAM

RADIATION PATTERNS



E-Plane | 460 MHz

RADIATION PATTERNS



H-Plane | 460 MHz

