

8 element dual / XPOL Yagi 450-468 MHz

DESCRIPTION

will ensure reliable operation in harsh environmental conditions. The polarisations on this crossed yagi can be coupled together to give right hand circular polarisation.

- Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	450 - 468 MHz
Max. Input Power	150 W
Polarisation	RHCP or dual linear (Use CPS2-445 for RHCP)
3 dB Beamwidth, E-Plane	51 °
3 dB Beamwidth, H-Plane	58 °
Impedance	50 Ω
Gain	10 dBd (12.2 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	15.1 dB max typically better than 19 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	2 x N(f), 2.7m RG213 cable (forward dipole), 3m RG213 cable rear dipole
Materials	Boom, 32 mm dia. aluminium elements, 12.7 mm dia. aluminium balun, Fully moulded enclosure
Length	1500 mm / 59.06 in.
Wind Load	102 N (160km/h)
Weight	5 kg / 11.02 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)

ORDERING

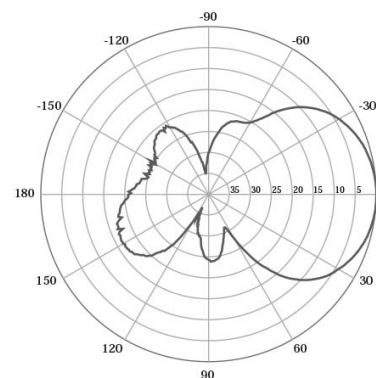
Model	Product No.	Frequency
8 element dual / XPOL Yagi 450-468 MHz	7157460	450 - 468 MHz

Accessories		
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	



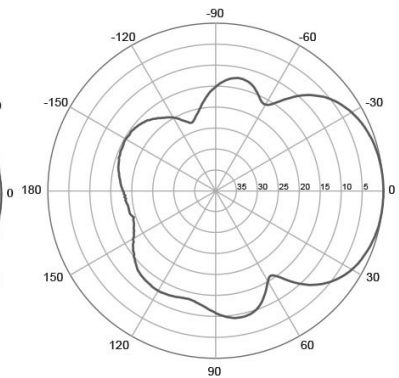
DIAGRAM

RADIATION PATTERNS



E-Plane | 459 MHz

RADIATION PATTERNS



H-Plane | 459 MHz

