

8 element Yagi 820-900 MHz

DESCRIPTION

An 8-element UHF Yagi antenna for Cellular communications applications utilizing Jaybeam's "Parabeam" slot radiator feed design to achieve higher directivity than comparable models. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

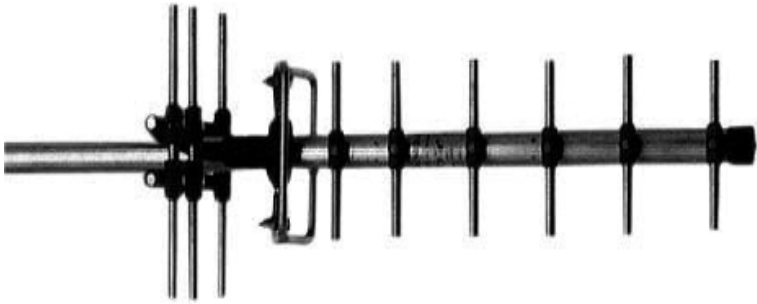
- Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	820 - 900 MHz
Max. Input Power	150 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	48 °
3 dB Beamwidth, H-Plane	52 °
Impedance	50 Ω
Gain	10 dBd (12.2 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 20 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
Mechanical	
Connection(s)	N(f) on 1m RG213/U cable
Materials	Boom, 25 mm dia., aluminium Elements, 10 mm dia., aluminium balun, 'Parabeam' slot radiator
Length	1000 mm / 39.37 in.
Wind Load	56 N (160km/h)
Weight	1.7 kg / 3.75 lb
Mounting Bracket	3202078/68 + 0900174/00 (Ordered Separately)
Alternate Mounting Bracket	0302063/68 + 0900174/00 or 0302032/68 + 0900174/00 (Ordered Separately)

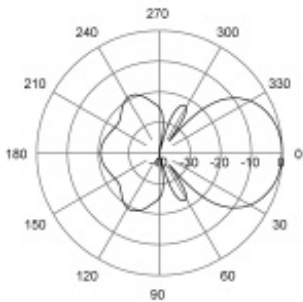
ORDERING

Model	Product No.	Frequency
8 element Yagi 820-900 MHz	7175872	820 - 900 MHz
Pressed steel cross clamp 25-50mm	0302063/68	
Increasing sleeve 1"-1-29/32"	0900174/00	
Pressed steel cross clamp 2" x 1-1/4" (JBL73)	0302032/68	
Fixed norstel / coupler clamp (cross clamp)	3202078/68	
Increasing sleeve 1"-1-29/32"	0900174/00	



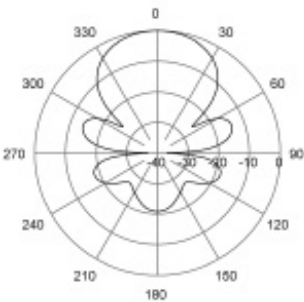
DIAGRAM

RADIATION PATTERNS



E-Plane | 860 MHz

RADIATION PATTERNS



H-Plane | 860 MHz

