

8 element Yagi 687-847 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.

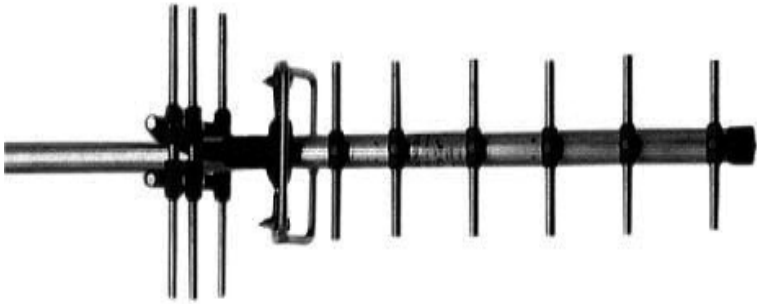
- Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	687 - 847 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	1200 mm / 47.24 in.
Wind Load	62 N (160km/h)
Weight	1.8 kg / 3.97 lb
Mounting Bracket	3202078/68 + 0900174/00 (Ordered Separately)
Alternate Mounting Bracket	0302063/68 to attach 25-50 mm diameter antenna mast or boom to 25-50 mm diameter mounting pipe. (Ordered Separately)

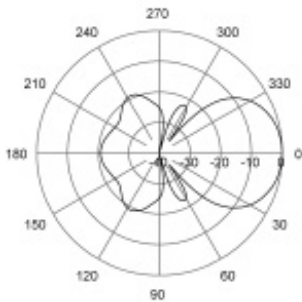
ORDERING

Model	Product No.	Frequency
8 element Yagi 687-847 MHz	7175687	687 - 847 MHz
Pressed steel cross clamp 25-50mm	0302063/68	
Fixed norstel / coupler clamp (cross clamp)	3202078/68	
Increasing sleeve 1"-1-29/32"	0900174/00	



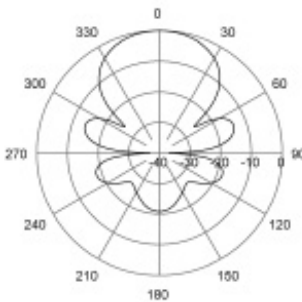
DIAGRAM

RADIATION PATTERNS



E-Plane | 767 MHz

RADIATION PATTERNS



H-Plane | 767 MHz