

## 8 element Yagi 790-960 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	
Model	7175890
Frequency	790 - 960 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)
In iBwave	Yes

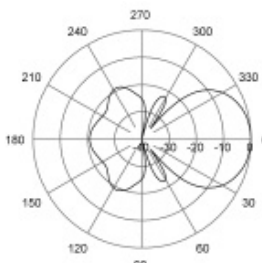
Mechanical	
Connection(s)	N(f) on 1m RG213/U cable
Materials	Boom, 25 mm dia., aluminium Elements, 10 mm dia., aluminium balun, 'Parabeam' slot radiator
Length	Approx. 990 mm / 38.98 in.
Wind Load	55 N (160 km/h)
Weight	Approx. 1.7 kg / 3.75 lb.
Mounting Bracket	3202078/68 + 0900174/00 (Ordered Separately)
Alternate Mounting Bracket	(Ordered Separately)

Environmental	
Operating temperature range	-40 °C to +70 °C

### ORDERING

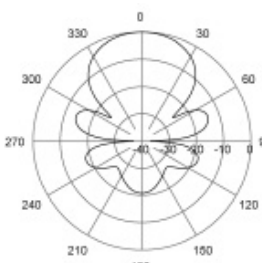
Model	Product No.	Frequency
8 element Yagi 790-960 MHz	7175890	790 - 960 MHz
Fixed norstel / coupler clamp (cross clamp)	3202078/68	
Increasing sleeve 1"-1-29/32"	0900174/00	

### RADIATION PATTERNS



E-Plane | 875 MHz

### RADIATION PATTERNS



H-Plane | 875 MHz