

End fed dipole 225-400 MHz

DESCRIPTION

A Heavy Duty VHF / UHF End Fed Dipole antenna for high power UHF AIR BAND and Trunked Radio 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	225 - 400 MHz
Max. Input Power	500 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	85 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 2.0:1 typical, < 2.3:1 max
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical		
Connection(s)	N(f)	
Materials	Base: Aluminium Shroud: GRP tube	
Length	1216 mm / 47.87 in.	
Wind Load	150 N (160km/h)	
Weight	2 kg / 4.41 lb	
Mounting Bracket	0300120/00 (Ordered Separately)	ETC-250 (ø50 to ø76mm) (Ordered Separately)
Alternate Mounting Bracket	0300066/00 (Ordered Separately)	

Environmental	
Operating Temperature Range	-40 to 70 °C
Survival Wind Speed	220 km/h (no ice) / 190km/h (20mm radial ice)

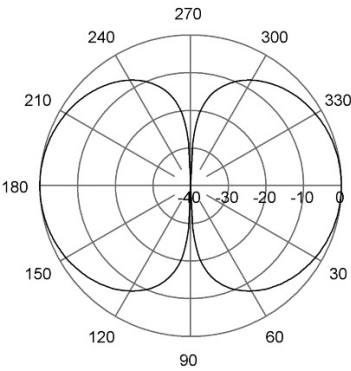
ORDERING

Model	Product No.	Frequency
End fed dipole 225-400 MHz	7502000	225 - 400 MHz
Cast aluminium cross clamp, 25-50mm	0300066/00	
Galvanised steel parallel bracket 32-60mm (PAIR)	0300120/00	
Extruded Parallel Tube Clamp, 50 - 76mm	ETC-250	



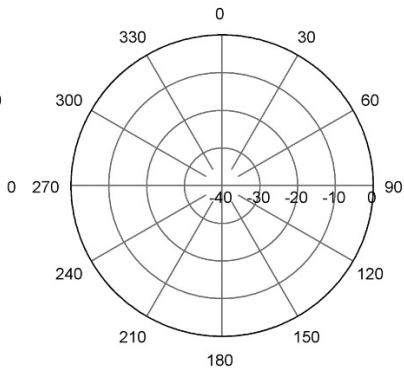
DIAGRAM

RADIATION PATTERNS



E-Plane | 312 MHz

RADIATION PATTERNS



H-Plane | 312 MHz