5.5dBd colinear 154.2-164.3 MHz

DESCRIPTION

A rugged and durable Colinear antenna designed for VHF Trunked Radio applications. These antennas are housed inside a high-strength, glassfibre shroud and manufactured to the highest quality standards insuring long term, reliable operation.
• Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	154.2 - 164.3 MHz
Max. Input Power	200 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	18° ±1°
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	5.5 dBd (7.7 dBi)
VSWR	< 1.5:1

Mechanical		
Connection(s)	N(f)	
Materials	Antenna Base: Aluminium Shroud: GRP tube, tapered Radiating element: Brass	
Mounting Section	Aluminium tube 48.4 mm dia.	
Dimensions	5180 (l) x 53 (dia.) mm	
Wind Load	260 N (160km/h)	
Weight	6.5 kg / 14.33 lb	
Mounting Bracket	2141.01.00.00 (up to ø120mm) (Ordered Separately)	ETC-250 (ø50 to ø76mm) (Ordered Separately)

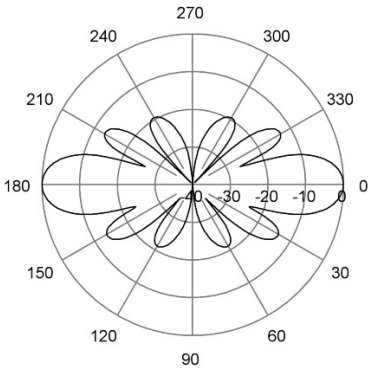
Environmental	
Operating Temperature Range	-50 to 55 °C
Ingress Protection	IP56

ORDERING

Model	Product No.	Frequency
5.5dBd colinear 154.2-164.3 MHz	7073159	154.2 - 164.3 MHz
Galvanised steel parallel bracket 38-120mm (PAIR)	2141.01.00.00	
Extruded Parallel Tube Clamp, 50 - 76mm	ETC-250	

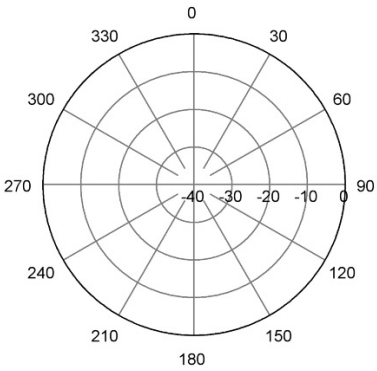
DIAGRAM

RADIATION PATTERNS



E-Plane | 159 MHz

RADIATION PATTERNS



H-Plane | 159 MHz