

Discone antenna, 100-500 MHz

DESCRIPTION

A Wideband Discone antenna commonly used for ground-to-air and frequency scanning applications. The discone element design provides reliable communications over an extremely wide operating bandwidth.

- Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	100 - 500 MHz
Max. Input Power	250 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 2.7:1 full band, < 2.0:1 typical over air band
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	N(f) on 3m RG213/U cable
Materials	Elements, solid aluminium rod Spine, aluminium tube
Dimensions	900 x 1140 mm
Wind Load	180 N (160km/h)
Weight	4.5 kg / 9.92 lb
Mounting Bracket	0900964/00 (Ordered Separately)
Alternate Mounting Bracket	0300066/00 (Ordered Separately)

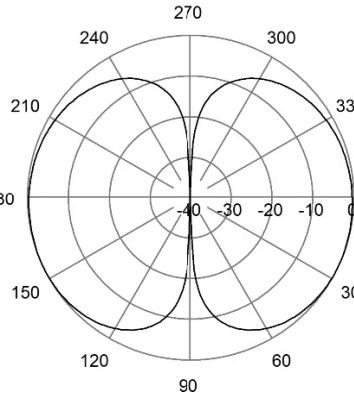
ORDERING

Model	Product No.	Frequency
Discone antenna, 100-500 MHz	7177010	100 - 500 MHz
Cast aluminium cross clamp, 25-50mm	0300066/00	
Stub mount clamp assy	0900964/00	



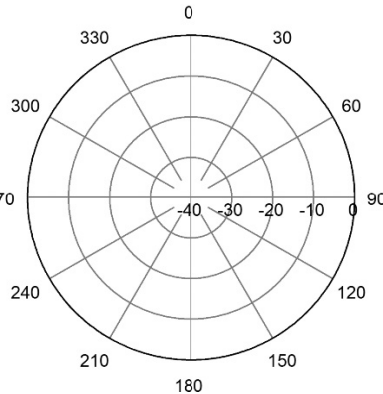
DIAGRAM

RADIATION PATTERNS



E-Plane | 300 MHz

RADIATION PATTERNS



H-Plane | 300 MHz

