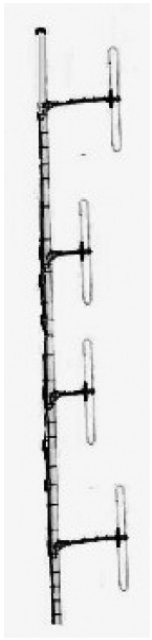
4-stack cardioid array 380-430 MHz



DESCRIPTION

A high gain 'Cardoid' pattern 4-stack dipole system. Careful attention to design ensures close control of the horizontal and vertical radiation patterns. Can be an important tool for the TETRA network radio planner who is striving to minimize problematical interference. This version has been uprated for optimum Intermodulation performance.
• Former Jaybeam brand product.

SPECIFICATIONS

Electrical	
Frequency	380 - 430 MHz
Max. Input Power	150 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	18 °
3 dB Beamwidth, H-Plane	160 °
Impedance	50 Ω
Gain	5.9 dBd (8.1 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 20 dB
Passive Intermodulation	-143dBc (3rd Order, 2 x Tx @ 43dBm)
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

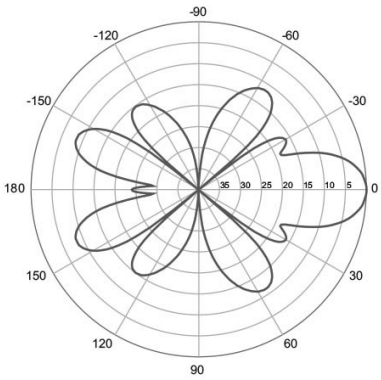
Mechanical	
Connection(s)	7/16(f) on 3m RG214/U cable
Materials	Main Boom, 63.5 mm dia., aluminium elements, 12.7 mm dia., aluminium balun, fully potted enclosure
Dimensions	2650 x 470 x 100 mm / 104.3 x 18.5 x 3.9 in
Wind Load	340 N (160km/h)
Weight	12 kg / 26.46 lb

ORDERING

Model	Product No.	Frequency
4-stack cardioid array 380-430 MHz	7497385	380 - 430 MHz

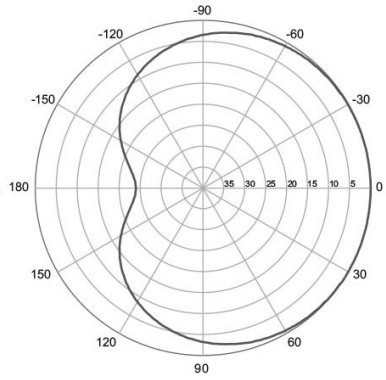
DIAGRAM

RADIATION PATTERNS



E-Plane | 405 MHz

RADIATION PATTERNS



H-Plane | 405 MHz