



2-Stack Lightweight Dipole Array 145 - 175 MHz

Model #: 104A-37J-5-0-08-N



Description

- The 104A-37J-5-0-08-N is an array of phased center fed folded dipoles mounted on an aluminum mast for PMR / Trunked radio applications.
- Each folded dipole balun assembly and associated harness junction is completely encapsulated in polyurethane resin, totally preventing moisture ingress.
- At VHF the antenna disassembles and flat packs for ease of shipping.

Electrical Specifications

Parameter	Value
Model	104A-37J-5-0-08-N
Frequency	145 - 175 MHz
Max. Input Power	500 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	36°
3 dB Beamwidth, H-Plane	180°
Impedance	50 Ω
Gain	5 dBd (7.2 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 5.5 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Environmental Specifications

Parameter	Value
Operating Temperature Range	-40 °C to +70 °C
Ingress Protection	IP68



Mechanical Specifications

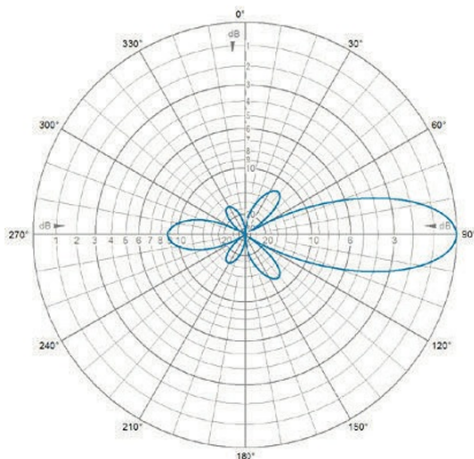
Parameter	Value
Connection(s)	N(f) on RG213/U cable
Materials	Main Boom: 48 mm dia., aluminium; Elements: 12.7 mm dia., aluminium; Balun: fully potted enclosure
Dimensions	3000 mm (h) x 590 mm (w), supplied in two sections
Wind Load	363 N (160 km/h)
Weight	Approx. 8.0 kg / 17.64 lb.
Mounting Bracket	0300120/00 (Ordered Separately), ETC-250 (50 to 76 mm dia., Ordered Separately)
Alternate Mounting Bracket	2141.01.00.00 (up to \varnothing 120 mm, Ordered Separately)

Ordering

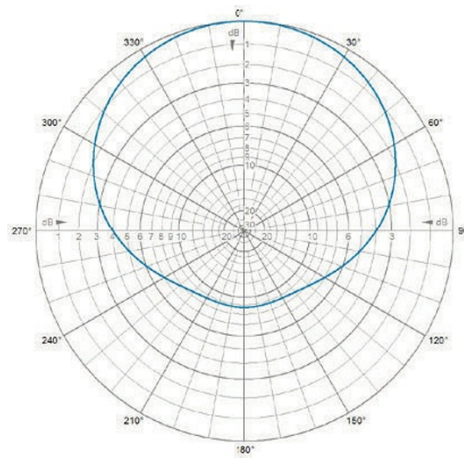
Model	Freq
104A-37J-5-0-08-N	145 - 175 MHz

Accessories	Model	Description
Galvanized steel parallel bracket	91-00-104-04	32 - 60 mm (PAIR)
Galvanized steel parallel bracket	91-00-104-01	38 - 120 mm (PAIR)
Extruded Parallel Tube Clamp	91-00-104-02	50 - 76 mm

Radiation Patterns



E-Plane | 160



H-Plane | 160