



4-Stack Dipole Phased Array

Omni Antenna 465-525 MHz

Model: 104A-SMD-68D-6
DS040466



Description

- The antenna is an array of phased centre-fed folded dipoles mounted on an aluminium mast for PMR / Trunked Radio applications.
- Each folded dipole balun assembly and harness junction is fully encapsulated in polyurethane resin to prevent moisture ingress.

Electrical Specifications

Parameter	Value
Frequency	465 – 525 MHz
Max. Input Power	250 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	21°
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	5.7 dBd (7.9 dBi)
VSWR	< 1.5:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)



Mechanical Specifications

Parameter	Value
Elements	12.7 dia. × 1.6 mm wall aluminium alloy grade 6063T6
Connection(s)	N(f) on RG213/U cable
Boom Material	38.1 mm dia. × 3.2 mm wall aluminium alloy grade 6082T6
Fasteners	Stainless steel grade A2-70
Length	2300 mm
Element Clamps	Diecast Al / Zinc alloy
Wind Load	206 N (160 km/h)
Weight	5 kg / 11.02 lb
Balun Encapsulant	Polyurethane Resin U-600

Environmental Specifications

Parameter	Value
Ingress Protection	IP68

Model / Ordering Information

Model	Description	Frequency
104A-SMD-68D-6	4-stack dipole phased array, Omni	465 – 525 MHz