



S.1-82

Centre fed folded dipole 75 - 88 MHz



DESCRIPTION

- A VHF Center Fed Dipole antenna for PMR/Trunked Radio, Broadcast and VHF Aircraft Band applications.
- Multiple dipoles can be mounted on a tower and connected with a phasing harness to form a high gain, stacked array.
- Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.
- Former Skymasts brand product.

SPECIFICATION

ELECTRICAL

Model	S.1-82
Frequency	75 – 88 MHz
Max. Input Power	150 W
3 dB Beamwidth, H-Plane	Omni – will depend on mounting distance from mast.
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	80 °
Impedance	50 Ω
Gain	0 dBd (omni – will depend on mounting distance from mast)
VSWR	< 1.5:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

ENVIRONMENTAL

Ingress Protection	IP68
--------------------	------

MECHANICAL

Connection(s)	N(f) on 3m RG213/U cable
Materials	Boom, 32 mm dia. aluminium elements, 19.1 mm dia. aluminium balun, fully moulded enclosure
Historic Brand	Skymasts
Dimensions	1330 x 1590 x 100 mm / 52.36 x 62.6 x 3.94
Wind Load	154 N (160 km/h)
Weight	Approx. 3.6 kg / 7.94 lb.
Mounting Bracket	3202078/68 + 3201079/00 (Ordered Separately)
Balun Encapsulant	Polyurethane Resin U-600
Alternate Mounting Bracket	0900912/00, 0302032/68, or 0300064/00 + U-Bolts to match mounting pipe diameter (Ordered Separately)

ORDERING CODES

Model	Product No.
Centre fed folded dipole 75 – 88 MHz	S.1-82

