



S.1-380-470

Centre fed folded dipole 380 - 470 MHz



DESCRIPTION

- A UHF Center Fed Dipole antenna for PMR/Trunked Radio 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.1-380-470
Frequency	380 – 470 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

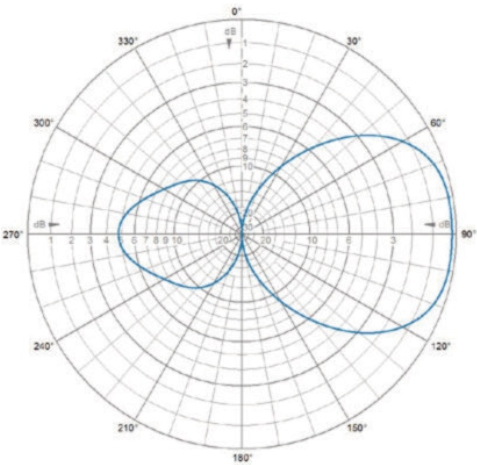
Materials	Boom, 32 mm dia. aluminium elements, 12.7 mm dia. aluminium balun, fully moulded enclosure
Historic Brand	Skymasts
Dimensions	1000 x 310 x 95mm (L x H x D)
Wind Load	82 N (160 km/h)
Weight	Approx. 2.4 kg / 5.29 lb.
Mounting Bracket	3202078/68 + 3201079/00 (Ordered Separately)
Balun Encapsulant	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 380 – 470 MHz	S.1-380-470

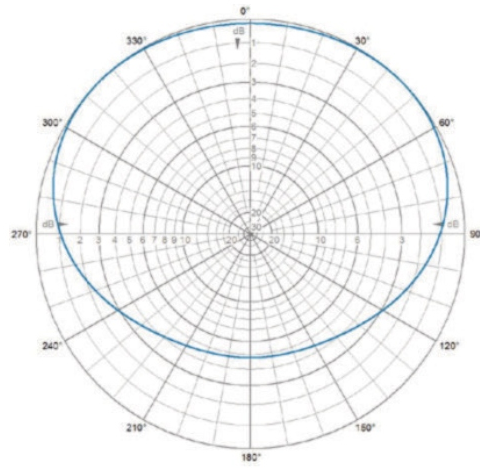
DIAGRAMS

RADIATION PATTERNS



E-Plane | 425 MHz

RADIATION PATTERNS



H-Plane | 425 MHz

