4-stack dipole phased array 380-430 MHz

DESCRIPTION

- The S.M4 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 associated harness junction is completely encapsulated in poyurethane resin, totally preventing moisture ingress.
- Former Skymasts brand product.

ORDERING

Model	Product No.	Frequency
4-stack dipole phased array 380-430 MHz	S.M4-405	380 - 430 MHz

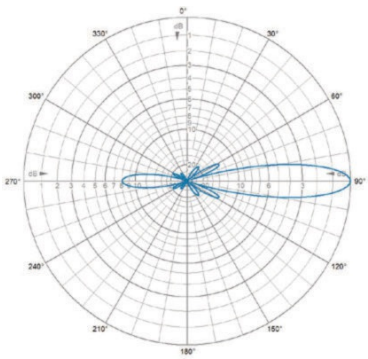
SPECIFICATIONS

Electrical	
Frequency	380 - 430 MHz
Max. Input Power	250 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	16 °
3 dB Beamwidth, H-Plane	160 °
Impedance	50 Ω
Gain	8.7 dBd (10.9 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	7 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Elements	12.7 dia. x 1.6 mm wall aluminium alloy grade 6063T6
Connection(s)	N(f) on RG213/U cable
Boom Material	38.1 mm dia. x 3.2 mm wall aluminium alloy grade 6082T6
Fasteners	Stainless steel grade A2-70
Length	2600 mm
Element Clamps	Diecast Al / Zinc alloy
Wind Load	232 N (160km/h)
Weight	6 kg / 13.23 lb
Balun Encapsulant	Polyurethane Resin U-600

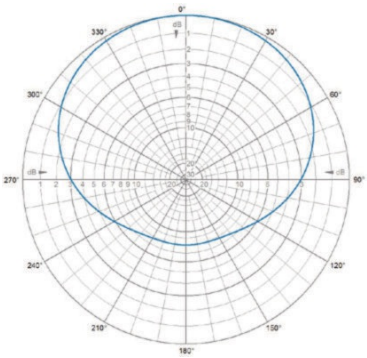
Environmental	
Ingress Protection	IP68

RADIATION PATTERNS



E-Plane | 405 MHz

RADIATION PATTERNS



H-Plane | 405 MHz

PROCOM A/S reserves the right to
amend specifications without prior notice