Wideband Ground-Air dipole, 0 dBd, 225-400MHz

DESCRIPTION

The 470 Series of glassfibre omni antennas are designed for wide band, particularly military and ground-to-air applications. The antennas are well suited to the most demanding applications both physically and environmentally, and have been engineered for optimal performance over a bandwidth greater than 50% of their centre frequency. Available in single dipole, multidipole and colinear versions.
• Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	225 - 400 MHz
Max. Input Power	500 W
Omni Deviation	< ± 1 dB
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 2.0:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Radiating Element(s)	120 mm dia. aluminium tube
Connection(s)	N(f)
Radiator Feed	PTFE dielectric coaxial cable
Radome Material / Colour	GRP tube dark green, 128mm dia.
Length	1100 mm / 43.31 in.
Wind Area	0.169 sq. m / 1.82 sq. ft
Wind Load	210 N (160km/h)
Weight	4 kg / 8.82 lb
Mounting	Integral base clamp mounts directly to 50 mm dia. pole
Nato Stock No.	5985-25-132-3733

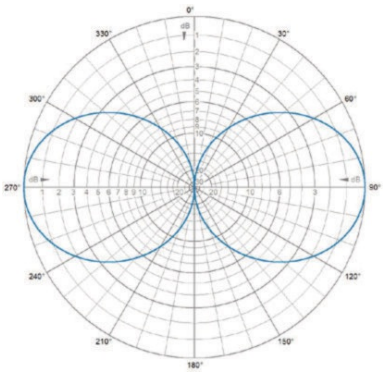
Environmental	
Operating Temperature Range	-40 to 70 °C
Survival Wind Speed	300 km/h (no ice) 220 km/h (20mm radial ice)

ORDERING

Model	Product No.	Description	Frequency
Wideband Ground-Air dipole, 0 dBd, 225-400MHz	470.02.05.00		225 - 400 MHz
Wideband Ground-Air dipole, 0 dBd, 225-400MHz	470.02.05.01	Supplied with mounting kit	225 - 400 MHz

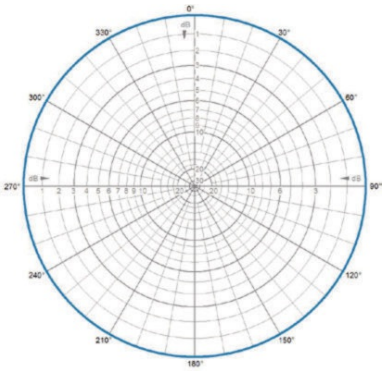
DIAGRAM

RADIATION PATTERNS



E-Plane | 312 MHz

RADIATION PATTERNS



H-Plane | 312 MHz

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