

High power DAB omni antenna, 3 dBd, 208-235MHz

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	208 - 235 MHz
Max. Input Power	1.5kW
Omni Deviation	< ± 1 dB
Polarisation	Vertical
3 dB Beamwidth, E-Plane	40 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	3 dBd (5.2 dBi)
VSWR	< 1.25:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Radiating Element(s)	120 mm dia. aluminium tube
Connection(s)	7/16 DIN(f)
Radiator Feed	PTFE dielectric coaxial cable
Radome Material / Colour	GRP tube dark green, 128mm dia.
Length	2300 mm / 90.55 in.
Wind Load	438 N (160km/h)
Weight	6 kg / 13.23 lb
Mounting	Aluminium mounting pole section, ø50.8 mm / ø2 in.

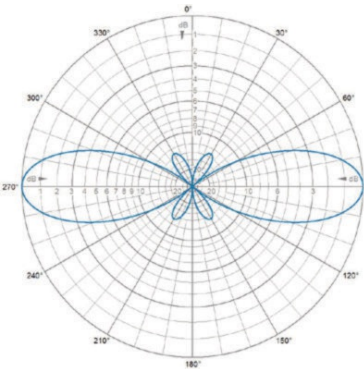
ORDERING

Model	Product No.	Frequency
High power DAB omni antenna, 3 dBd, 208-235MHz	470.34.33.00	208 - 235 MHz



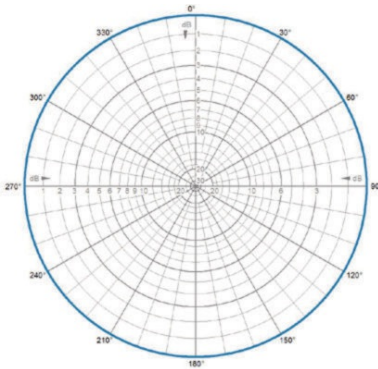
DIAGRAM

RADIATION PATTERNS



E-Plane | 222 MHz

RADIATION PATTERNS



H-Plane | 222 MHz