

Wideband VHF/UHF Ground-Air dipole 100 - 400 MHz

DESCRIPTION

- The 470 Series of glassfibre omni antennas are designed for ground-to-air wide band applications and can also be used in military scenarios.
- These antennas cater to the most stringent physical and environmental requirements, and they've been crafted to provide optimal performance across a wide bandwidth.
- They are available in single dipole, multidipole, and colinear versions.

SPECIFICATIONS

Electrical	
Frequency	100 - 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 white, 128 mm dia.
Length	1500 mm / 59.06 in.
Wind Area	0.23 sq. m / 2.48 sq. ft
Wind Load	286 N (160 km/h)
Weight	7.5 kg / 16.53 lb.
Mounting	Integral base clamp mounts directly to 50 mm dia. pole

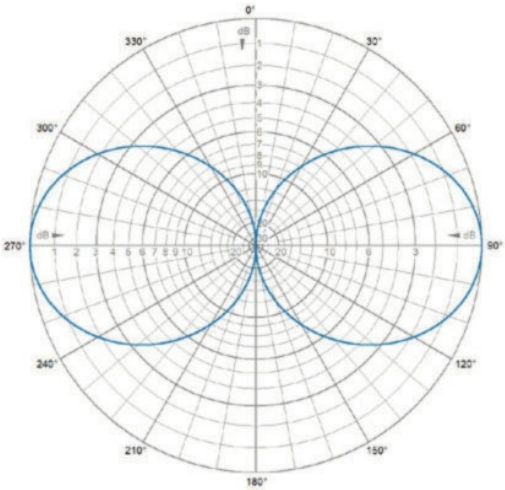
Environmental	
Operating temperature range	-40 °C to +70 °C
Survival Wind Speed	300 km/h

ORDERING

Model	Product No.	Description	Frequency
Wideband VHF/UHF Ground-Air dipole	470.05.05.00		100 - 400 MHz
Wideband VHF/UHF Ground-Air dipole	470.05.05.01	Supplied with mounting kit	100 - 400 MHz
Wideband VHF/UHF Ground-Air dipole	470.05.05.00G	Coated NATO Green RAL6031	100 - 400 MHz

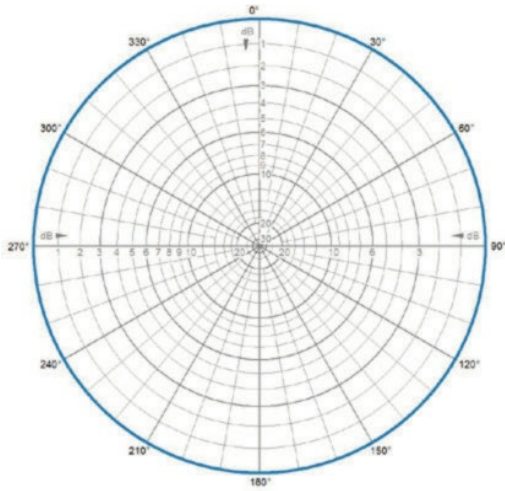


RADIATION PATTERNS



E-Plane | 250 MHz

RADIATION PATTERNS



H-Plane | 250 MHz