

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

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 | 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, 128mm dia. |
| Length | 1500 mm / 59.06 in. |
| Wind Area | 0.23 sq. m / 2.48 sq. ft |
| Wind Load | 286 N (160km/h) |
| Weight | 7.5 kg / 16.53 lb |
| Mounting | Integral base clamp mounts directly to 50 mm dia. pole |
| Environmental | |
| Operating temperature range | -40 to 70 °C |
| Survival Wind Speed | 300 km/h |

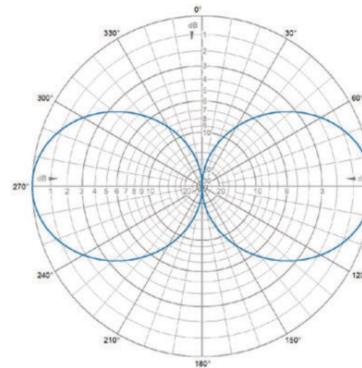
ORDERING

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



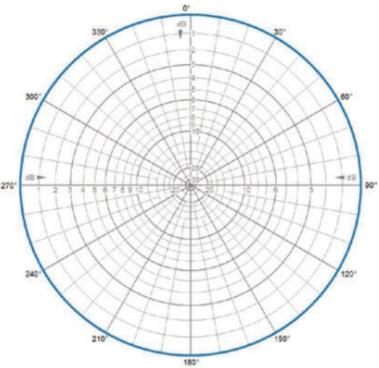
DIAGRAM

RADIATION PATTERNS



E-Plane | 250 MHz

RADIATION PATTERNS



H-Plane | 250 MHz

