



MDA

FOR AIRCRAFT BAND COMMUNICATIONS IN THE VHF BAND SURFACE TO AIR

The MDA is a broadband, high strength, vertically polarised ground independent dipole antenna, designed for use in the marine mobile and fixed land environments.

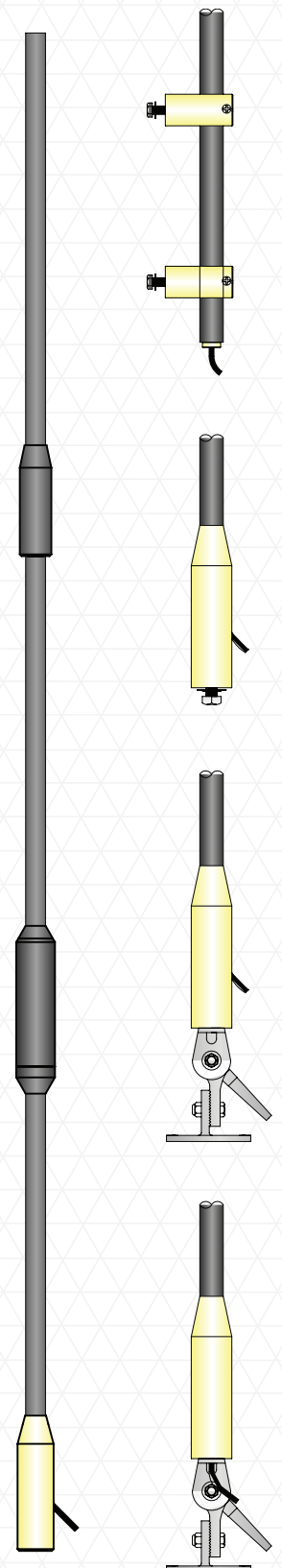
Housed within the antenna is an integral passive matching network, ensuring efficient broadband coverage together with a low VSWR for the entire civil aeronautical VHF communications band. The system is DC grounded.

The antenna is constructed using marine grade, low corrosion, tempered aluminium tubing which is completely coated with PVC to provide maximum environmental protection, including the effects of ultra violet radiation.

It can be supplied for side mounting using stainless steel clamps or base mounting via a 12mm bolt or SS316 swing down mount.

SPECIFICATIONS ▼

	STANDARD	OPTIONAL
Colour	Black	White
Frequency Range	VHF Aircraft Band 118-137 MHz	
Bandwidth	19 MHz	
VSWR	<2:1 over bandwidth; Typically <1.5:1	
Radiation	Linear vertical with high angle radiation	
Pattern	Omnidirectional	
Gain	+2 dBi	
Polarisation	Vertical	
Impedance	50Ω nominal	
Overall Length	1.5 metres	
Radiator Diameter	22.3mm	
Wind Survival	Designed to withstand wind velocities of 160 km/h no ice and 80 km/h with 25mm radial ice build up	
Power Capability	50w Continuous	
Mounting (see illustration)	U: Connector in base (no cable), Side mounted via insulators or clamps 1: Base fed cable with connector, Side mounted via insulators or clamps 2: Side fed cable with connector, Base mount with M12 bolt 3: Side fed cable with connector, Base mount with 1" x 14 TPI 4: Base fed cable with connector, Base mount with 1" x 14 TPI	
Connection	N Type, BNC or TNC with 5m RG58 coaxial cable base and swingdown versions only, connector in base side mount version	
Packed Weight	3 kg	



CONTACT DETAILS ▼

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Moonraker products represent the pinnacle of antenna design. With over 45 years' experience supplying Defence, Commercial and Recreational industries. Moonraker antennas are individually tuned and manufactured to our stringent extreme marine quality standards that ensure maximum performance and service life.



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