



## Type MDA

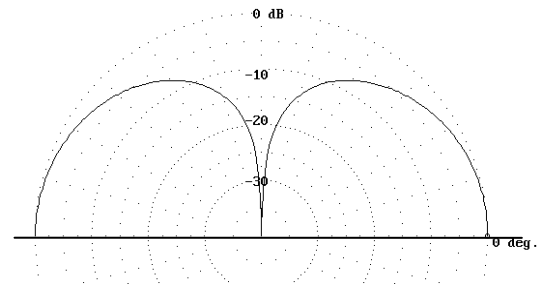
### For aircraft band communications in the VHF Band Surface to Air

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

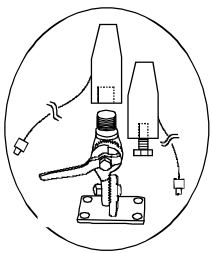
The antenna is constructed using marine grade, low corrosion, tempered aluminium tubing which is completely coated with PVC to provide maximum environmental protection, including the effects of ultra violet radiation.

It can be supplied for side mounting using stainless steel clamps or base mounting via a 12mm bolt or rugged multi-angled swingdown mount.



### Specifications

<b>Colour</b>	Standard is Black. Optional White.
<b>Frequency Range</b>	VHF Aircraft Band 118-137 MHz
<b>Bandwidth</b>	19 MHz
<b>VSWR</b>	Typically <1.5:1; <2:1 at band edges
<b>Radiation Pattern</b>	Linear vertical with high angle radiation
<b>Gain</b>	+2 dBi
<b>Polarisation</b>	Vertical
<b>Impedance</b>	50Ω nominal
<b>Overall Length</b>	1.5 metres (4.9 ft)
<b>Radiator Diameter</b>	22.3mm (7/8 inch)
<b>Wind Survival</b>	Designed to withstand wind velocities of 160 km/h (100 mph) no ice and 80 km/h (50 mph) with 25mm (1 inch) radial ice build up
<b>Power Capability</b>	50w Continuous
<b>Mountings</b>	Either two 63 mm (2.5 in) nylon clamp type insulators, 35 mm diameter (1 3/8 in), threaded to take M10 set screw, or heavy duty stainless steel hose clamps (recommended spacing not less than 25 cm (9.8 in) apart); stainless steel swingdown mount (1" thread) adjustable in both planes (not supplied); or base (40mm diameter) mounted 12mm metric bolt (not supplied).
<b>Connection</b>	N Type, BNC or TNC with 5m RG58 coaxial cable base and swingdown versions only, connector in base sidemount version
<b>Packed Weight</b>	3 kg (6.6 lbs)



Specifications subject to change – Issued 07/13

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