



Type MMD2400

Broadband Marine Dipole Antenna for UHF air band communications



The MMD2400 is a rugged, dipole system, designed to provide wideband omnidirectional transmit and receive communications over the 225-400 MHz aviation band.

Radiation is vertically polarised and is omnidirectional in the azimuth plane providing excellent ground to ground as well as ground/sea to air communications with minimum signal attenuation.

Construction is lightweight yet extremely rugged, being designed to meet military standards for humidity (810E Procedure III), vibration (167-1 Type 1) and shock (901-1 Grade A). This ensures a high degree of strength ensuring a long operational life.

The aluminium antenna elements are encapsulated within a heavy duty fibreglass radome and isolated from the environment to minimise problems associated with static discharge. The antenna is fully marinised, being finished with a high durability coating, highly resistant to chemical attack, abrasion and the effects of ozone and ultra-violet radiation.

Specifications

Colour	Standard is APO Grey. Option other colours to order.
Frequency Range	225-400 MHz.
Overall Length (approx)	710mm (28 in)
Radiator Diameter	82.5mm (3.24 in)
Base Diameter	133mm (5.25 in)
Impedance	50 Ω nominal
Power Capability	500W CW
Gain	2dBi
VSWR	<2.5:1
Pattern	Omnidirectional
Polarisation	Vertical
Wind Survival	Designed to withstand wind velocities of 190 km/h (120 mph) no ice
Centre of Gravity	31cm (12.25 in)
Temperature	-50 to +65°C (-60 to +150°F)
Connector	N type in centre of base
Mounting	Aluminium flange base with 4 equally spaced 9mm (0.354 in) holes on 117.5mm (4.6 in) circle
Weight	2.5kg (5.5 lbs); packed 7.5kg (16.5 lbs)

Specifications subject to change – Issued 01/09/13

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