



MMD30100

BROADBAND MARINE DIPOLE ANTENNA FOR VHF COMMUNICATIONS

The MMD30100 is a rugged, tactical dipole system, designed to provide wideband omnidirectional transmit and receive communications over the 30-100 MHz VHF band.

Radiation is vertically polarised and is omnidirectional in the azimuth plane providing excellent communications with minimum signal attenuation.

Construction is lightweight yet extremely rugged, being designed to meet military standards for humidity, vibration and shock ensuring a high degree of strength ensuring a long operational life.

Both the antenna elements and base flange are of aluminium, the elements being encapsulated within a heavy duty, fibreglass radome which isolates them from the environment to minimise problems associated with static discharge. The system 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 ▼

	STANDARD	OPTIONAL
Colour	APO Grey	Other colours available to order
Frequency Range	30-100 MHz.	
Overall Length (approx)	2.82 metres	
Radiator Diameter	140mm	
Base Diameter	216mm	
Impedance	50Ω nominal	
Power Capability	500W CW; 1kW PEP	
Gain	0dBi	
VSWR	<2.5:1 maximum	
Pattern	Omnidirectional in azimuth plane	
Polarisation	Vertical	
Wind Survival	Designed to withstand wind velocities of 192 km/h no ice	
Temperature	-50 to +65°C	
Connector	N type	
Mounting	Aluminium flange base with 8 equally spaced 14mm holes on 184mm PCD	
Weight	16.8kg; packed 38kg	



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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