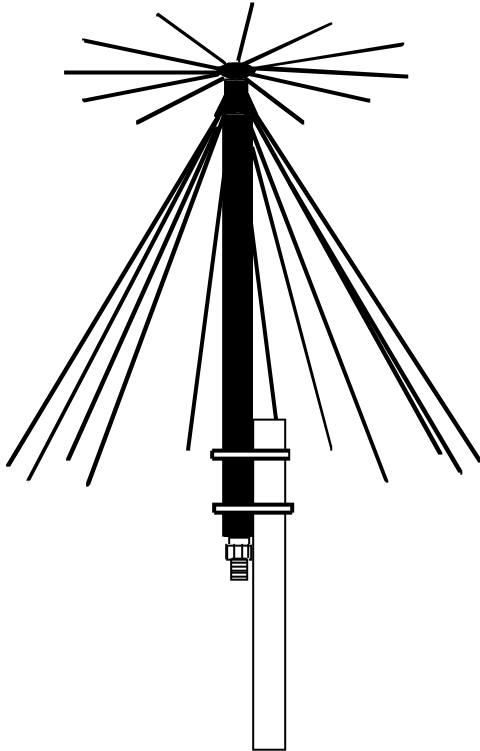




M O O N R A K E R

Type BDA500

Broadband Omnidirectional UHF Airband Tactical System



The BDA500 is designed to provide wideband omnidirectional communications over the 450-550 MHz military aviation tactical band, providing excellent ground to ground as well as ground/sea to air communications. It has particular application for military and para military services.

The principle of operation is that of an omnidirectional ground independent wideband system comprising a discone antenna with multiple elements. It has been designed to yield a low VSWR within this range with optimised radiation characteristics suited to ground to ground and ground to air operation.

Elevation patterns are consistent in character over the range, being similar to a $\frac{1}{4}$ wave vertical monopole.

The antenna features stainless steel sloping and top hat radials. It is coated with a high durability epoxy based coating for full protection from the environment and ultra violet radiation and is fully marinised for use at sea.

Standard colour is drab olive (other colours to order).

Specifications

Frequency Range	450-550 MHz
Polarisation	Vertical linear
Gain	+2dBi minimum over frequency range
VSWR	<2:1 over frequency range
Impedance (output)	50 Ω (nominal)
Power Capability	100w CW, 400w PEP
Connection	N type coaxial connector (female) in base
Overall Dimensions	410mm (16 in) (h) x 390mm (15.4 in) (dia)
Mounting Pole Length	340mm (13.4 in), longer to order; mounting clamps not included
Wind Survival	160 km/h (100mph)
Weight	910g (2 lbs); packed: 1.2kg (2.6 lbs)

Specifications subject to change 6/04

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