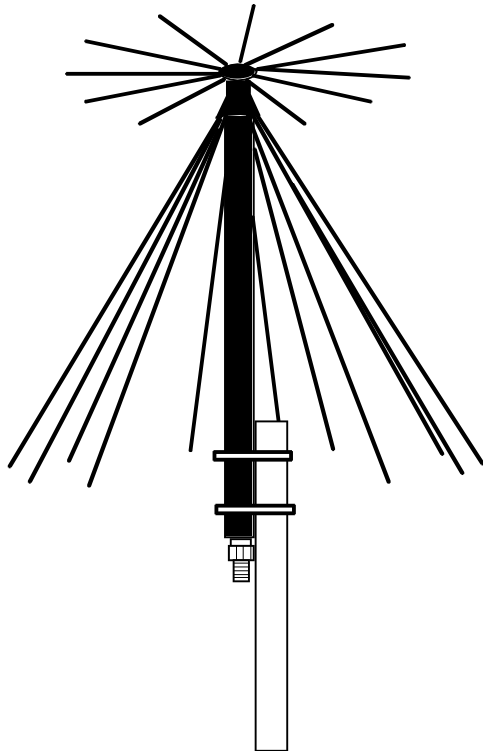




Type BDA500

Broadband Omnidirectional UHF Airband System



The BDA500 is designed to provide wideband omnidirectional communications over the 380-550 MHz military aviation band, providing excellent ground to ground as well as ground / sea to air communications.

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.

Specifications

Colour	Standard is Bronze Olive. Option other colours to order.
Frequency Range	380-550 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 – Issued 01/09/13

Moonraker Australia Pty. Ltd. ABN 70 162 868 475
Tasmanian Technopark, Dowsing Point, Tasmania, Australia 7010

Website: www.moonraker.com.au Tel: 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: radiocom@moonraker.com.au

