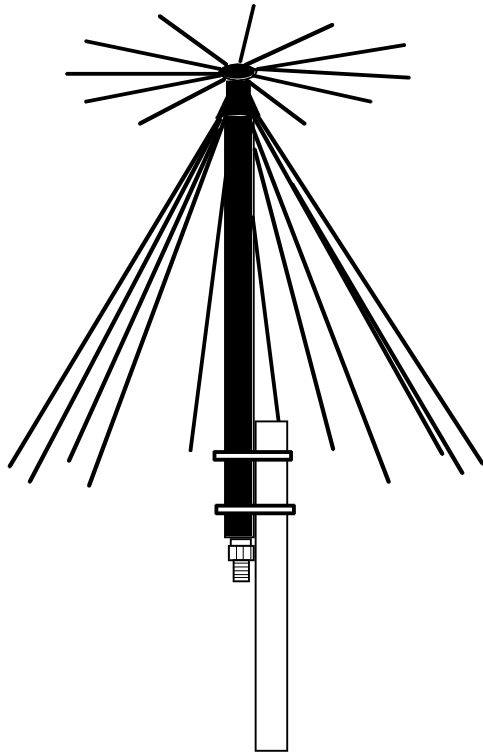




Type BDA400

Broadband Omnidirectional UHF Airband System



The BDA400 is designed to provide wideband omnidirectional communications over the 225-400 MHz 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 disccone 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

Colour
Frequency Range
Polarisation
Gain
VSWR
Impedance (output)
Power Capability
Connection
Overall Dimensions
Mounting Pole Length

Wind Survival
Weight

Standard is Bronze Olive. Option other colours to order.
 225-400 MHz
 Vertical linear
 +2dBi minimum over frequency range
 <2:1 over frequency range
 50Ω (nominal)
 100w CW, 400w PEP
 N type coaxial connector (female) in base
 410mm (16 in) (h) x 400mm (15.7 in) (dia)
 340mm (13.4 in), longer to order; mounting clamps not included
 160 km/h (100mph)
 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

