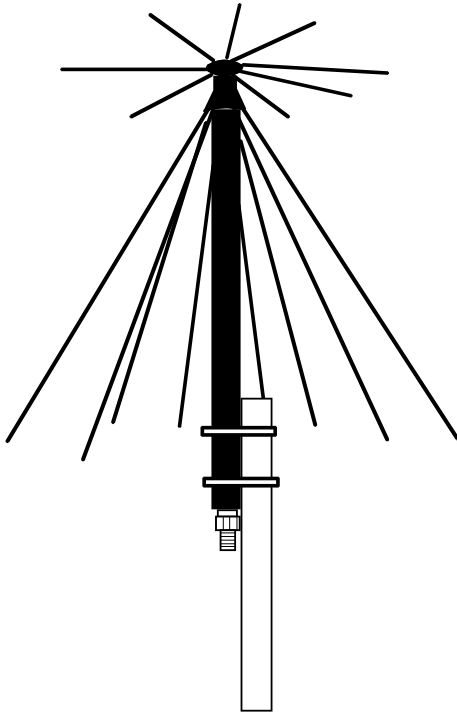


Type BDA1340

Broadband Omnidirectional 2 Band VHF/UHF Airband System



The BDA1340 is designed to provide dual band omnidirectional communications over the 113-174 and 225-400 MHz aviation bands, 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 disc 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	VHF 113-174 MHz and UHF 225-400 MHz
Polarisation	Vertical linear
Gain	up to +2.5dBi over frequency range
VSWR	<2.5:1 over frequency range
Impedance (output)	50 Ω (nominal)
Power Capability	100w CW, 400w PEP
Connection	N type coaxial connector (female) in base
Overall Dimensions	750 (29.5 in) H x 840mm (33 in) Dia.
Mounting Pole Length	740mm (29.1 in), longer to order; mounting clamps not included
Wind Survival	160 km/h (100mph)
Weight	2.1g (4.6 lbs); packed: 3.0kg (6.6 lbs)

Specifications subject to change 7/03