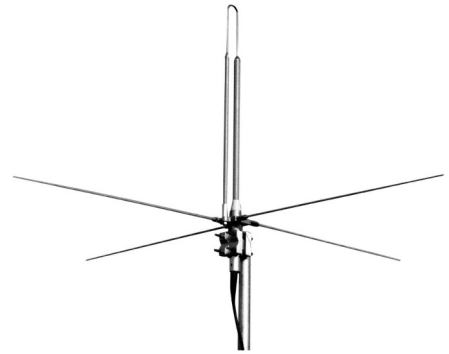


A VHF Ground Plane antenna with integrated mount designed to attach to the top of a 30-60 mm diameter mast. The active element is a folded monopole. The ground plane elements are user-tuned to achieve best performance at the operating frequency. Tuning chart provided.

MA412D00

V-Pol | Ground Plane | 360° | 0 dBd

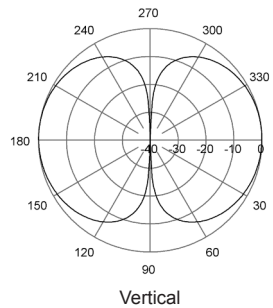
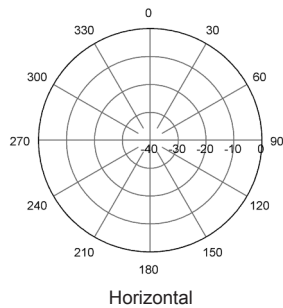


Electrical Characteristics	
Frequency band*	31.41 MHz
Bandwidth	±2% (typical)
Polarization	Vertical
Horizontal beamwidth	360°
Vertical beamwidth	86°
Gain	0 dBd
Impedance	50Ω
VSWR	<1.5:1
Maximum power	250 W
Connector type	UHF (SO230) Female
Lightning protection	DC grounded

* Tuning chart provided. Trim whips to achieve required center frequency.

Mechanical Characteristics	
Materials	Aluminium alloy, Glass fibre, and Stainless steel
Dimensions (Whip Length)	31 MHz: 2300 mm 90.6 in
Weight with bracket	31 MHz: 6.5 kg 14.3 lbs
Wind load @ 160 km/hr (100 mph)	31 MHz: 240 N 54.0 lbf

Mounting Options	
Mounting bracket	Integral mounting bracket to fit on 30-60 mm dia. mast.



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.