

A VHF Center Fed Dipole antenna for PMR/Trunked Radio applications. Multiple dipoles can be mounted on a tower and connected with a phasing harness to form a high gain, stacked array. The dipole element for this design is enclosed in a weather resistant, glassfibre shroud to provide consistent, reliable performance in all weather conditions.

MA481H04

Shrouded Center Fed Dipole | Variable Az | Variable Gain

Electrical Characteristics

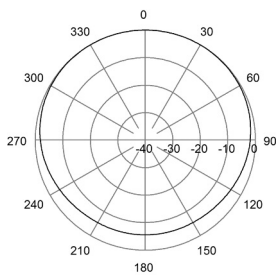
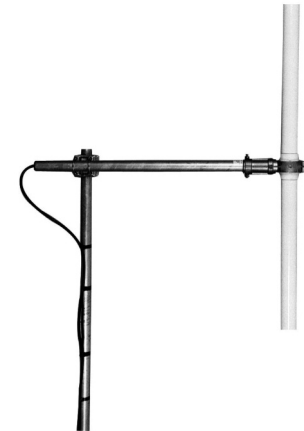
Frequency band	78-88 MHz
Horizontal beamwidth	Will depend on mounting distance from mast.
Vertical beamwidth	80°
Gain	0 dBd (omni) Will depend on mounting distance from mast.
Impedance	50Ω
VSWR	<1.5:1
Maximum power	250 W
Connector type	N-Female
Lightning protection	DC grounded

Mechanical Characteristics

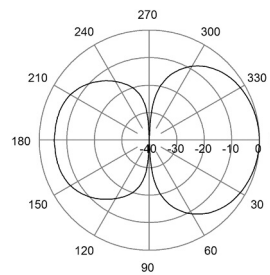
Materials	Boom, 45 mm dia. aluminium, Dipole elements protected by glassfibre shroud	
Dimensions (Length)	1860 mm	73.2 in
Weight without bracket	4.5 kg	9.9 lbs
Wind load @ 160 km/hr (100 mph)	340 N	76.4 lbf

Mounting Options

Mounting bracket	MA621AZ51 clamp supplied to fit on 25-50 mm dia. mast.
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Horizontal



Vertical

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.