

## 7050xxx

Single Band | Center Fed Dipole | V-Pol or H-Pol | Variable Azimuth | Variable Gain

- A VHF center fed dipole antenna for PMR/trunked radio, broadcast and VHF aircraft band applications
- Multiple dipoles can be mounted on a tower and connected with a phasing harness to form a high gain stacked array
- Produced to the highest quality standards
- Robust antenna design ensure's reliable operation in harch environmental conditions



Ordering Options		Frequency Band*
Model Numbers	7050002	48-52 MHz
When ordering replace "xxx" in the Model Number with one of the options shown at right.	7050060	60-75 MHz
	7050075	75-88 MHz
	7050088	88-108 MHz
	7050118	118-136 MHz
	7050135	135-160 MHz
	7050140	145-180 MHz
	7050170	176-210 MHz
	7050225	210-240 MHz

\*Other frequency ranges available upon request.

Electrical Characteristics	
Bandwidth	±10% (typical)
Polarisation	Vertical or Horizontal
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	150 W
Lightning Protection	DC Grounded
Connector(s)	N-Type Female + 3m of RG213 cable

Mechanical Characteristics			
Materials	Boom	32 mm diameter, aluminium	
	Elements	19 mm diameter, aluminium	
	Balun	Fully moulded enclosure	
Dimensions (Length x Width x Depth at 80 MHz)		1700 x 1370 x 110 mm	66.9 x 53.9 x 4.3 in
Weight without Mounting Brackets (at 80 MHz)		2.8 kg	6.2 lbs
Wind Load (160 km/hr or 100 mph; at 80 MHz)		134 N	30.1 lbf

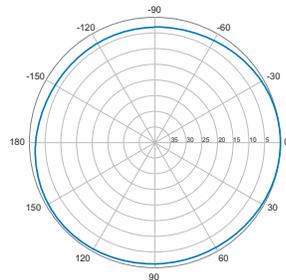
Mounting Options (ordered separately)	
Mounting Bracket Kit	3202078/68 + 3201079/00
Alternate Mounting Brackets	0900912/00, 0302032/68 or 0300064/00 + U-bolts to match mounting pipe diameter

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, 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 products may be made without notice.

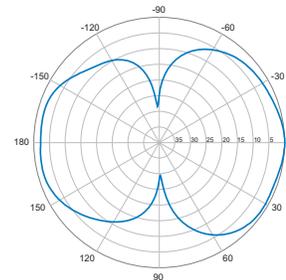
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48...240 MHz



Horizontal



Vertical