

7323xxx

Heavy Duty Center Fed Dipole | V-Pol or H-Pol | Variable Az | Variable Gain

- Variable azimuth, variable gain, V-Pol or H-Pol, heavy duty VHF center fed dipole antenna
- Designed for PMR/Trunked radio, broadcast and VHF aircraft band applications
- Multiple dipoles can be mounted on tower with phasing harness to form a high gain, stacked array
- Robust antenna design will insure reliable operation in harsh environmental conditions

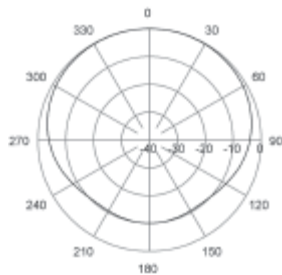
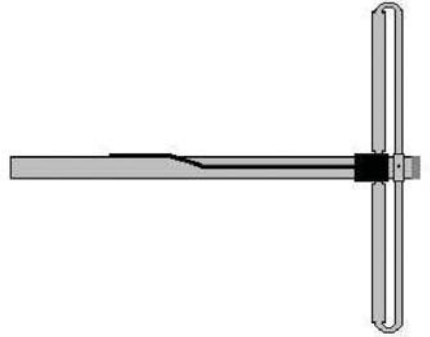
Ordering Options				
Model Number Options (xxx)	Frequency Band*	Maximum Power	Cable Type	Connector Type
7323075	70-81 MHz	300 W	3m RG213 Cable	N Female
7323098	88-108 MHz	300 W	3m RG213 Cable	N Female
7323100	88-108 MHz	750 W	1/2" Superflex Cable	N Female
7323118	118-137 MHz	300 W	3m RG213 Cable	N Male
7323144	136-152 MHz	300 W	3m RG213 Cable	N Female
7323150	143-156 MHz	300 W	3m RG213 Cable	N Female

Electrical Characteristics	
Frequency Range	68...225 MHz
Polarisation	Vertical or Horizontal
Bandwidth	±10% Typical
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	See ordering options above
Connector(s)	Various connector & cable options (see ordering options above)
Lightning Protection	DC Ground

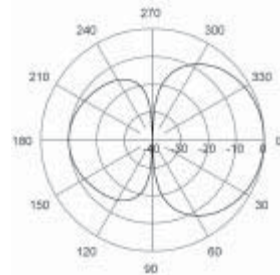
*Other frequencies available upon request.

Mechanical Characteristics			
Materials	Boom	49 mm diameter, Aluminium	
	Elements	19 mm / 38 mm diameter, Aluminium Tube	
	Balun	Epoxy Potted Polyester Enclosure	
Dimensions (L x W x D)	120 MHz:	2000 x 1195 x 120 mm	78.7 x 47.0 x 4.7 mm
Weight without Mounting Bracket	120 MHz:	6.7 kg	14.8 lbs
Wind Load (160 km/hr or 100 mph)	100 MHz:	205 N	46.1 lbf

Mounting Options	
All mounting bracket kits are ordered separately unless otherwise indicated. Select from the options listed below.	
Alternate Mounting Brackets	0300064/00 + U-Bolts to match mounting pipe diameter



Horizontal



Vertical

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.