

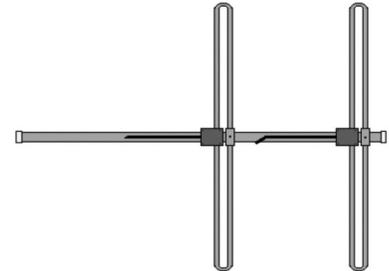
A linear array of two VHF dipole elements with phasing harness mounted on an aluminium boom. Careful attention to element phasing results in a "Cardiod" shaped radiation pattern with high F/B ratio compared to an equivalent sized Yagi antenna. Antennas of this type find use in PMR/Trunked Radio and Broadcast applications needing very high F/B performance. Produced to the highest quality standards, these robust antenna designs will insure reliable operation in harsh environmental conditions.

7256xxx

V-Pol | Heavy Duty Cardiod Dipole Array | 180° | 3.0 dBd

Replace "xxx" with desired model number option.

Electrical Characteristics		
Frequency range	68..156 MHz	
Model number options (xxx)	Model Number	Frequency band*
	7256097	95.5-98.5 MHz
	7256100	99.2-101.7 MHz
	7256102	100.5-102.7 MHz
	7256106	104-107.2 MHz
	7256108	106.6-109.4 MHz
Bandwidth	±1.5% (typical) Wide band versions available to meet specific needs	
Polarization	Vertical	
Horizontal beamwidth	180°	
Vertical beamwidth	76°	
Gain	3.0 dBd	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	>20 dB	
Maximum power	300 W	
Connector type	N-Female + 3.5m of RG213 cable	
Lightning protection	DC grounded	

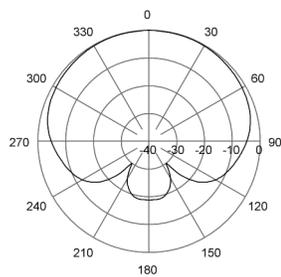


* Other frequencies available upon request.

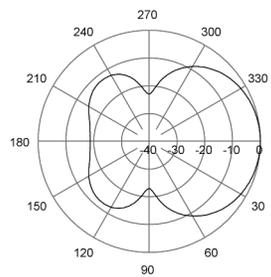
Mechanical Characteristics		
Materials	Boom, 49 mm dia., aluminium Elements, 19 mm dia., aluminium Balun, epoxy potted, polyester enclosed	
Dimensions LxWxD	100 MHz: 2500 x 1350 x 110 mm	98.4 x 53.1 x 4.3 in
Weight without bracket	100 MHz: 10.0 kg	22.0 lbs
Wind load @ 160 km/hr (100 mph)	100 MHz: 330 N	74.2 lbf

Mounting Options	
Mounting bracket	0300064/00 + U-bolts to match mounting pipe diameter.

Please order Mounting Bracket separately.



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.