

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.

7170xxx

V-Pol | Cardioid Dipole Array | 180° | 2.8 dBd

Replace "xxx" with desired model number option.

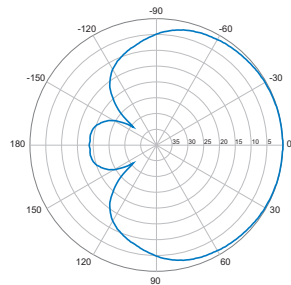
Electrical Characteristics		
Frequency range	100..470 MHz	
Model number options (xxx)	Model Number	Frequency band*
	7170108	106-110 MHz
	7170130	139.5-149 MHz
	7170169	167-172 MHz
	7170190	192-208 MHz
	7170435	428-433 MHz
7170460	450-470 MHz	
Bandwidth	±1.5% (typical) Wide band versions available to meet specific needs	
Polarization	Vertical	
Horizontal beamwidth	180°	
Vertical beamwidth	75°	
Gain	2.8 dBd	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	>20 dB	
Maximum power	150 W	
Connector type	N-Female + 3m of RG213 cable	
Lightning protection	DC grounded	

* Other frequencies available upon request.

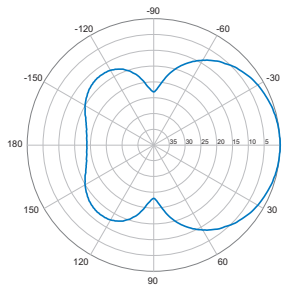
Mechanical Characteristics		
Materials	Boom, 32 mm dia., aluminium Elements, 19 mm dia., aluminium Balun, fully moulded enclosure	
Dimensions LxWxD	150 MHz: 2100 x 900 x 100 mm	82.7 x 35.4 x 3.9 in
Weight without bracket	150 MHz: 5.5 kg	6.2 lbs
Wind load @ 160 km/hr (100 mph)	150 MHz: 190 N	30.1 lbf

Mounting Options	
Mounting bracket	3202078/68 + 3201079/00
Alternate mounting brackets	0900912/00, 0302032/68, or 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.