

7418xxx

V-Pol | 2 Stacked Center Fed Dipole Array | 180° | 3.6 dBd

An array of two Center Fed Dipole antennas with phasing harness mounted on an aluminium mast for extended range PMR/Trunked Radio and Broadcast applications. This antenna features a "Cardiod" shaped radiation pattern with high F/B ratio meeting UK R.A. type "1/2 AJ" specifications. Produced to the highest quality standards, these robust antenna designs will insure reliable operation in harsh environmental conditions.

Replace "xxx" with desired model number option.

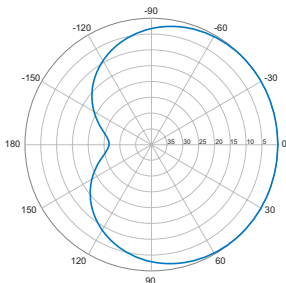


Electrical Characteristics		
Frequency range	130..230 MHz	
Model number options (xxx)	Model Number 7418000 7418170 7418190 7418220	Frequency band* 139.5-149 MHz 176-192 MHz 192-208 MHz 217-222 MHz
Bandwidth	±5% (typical)	
Polarization	Vertical	
Horizontal beamwidth	180°	
Vertical beamwidth	33°	
Gain	3.6 dBd	
Electrical downtilt	0°	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	>15 dB	
Maximum power	300 W	
Connector type	N-Female + 3m of RG213 cable	
Lightning protection	DC grounded	

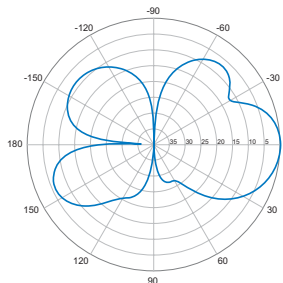
* Other frequencies available upon request.

Mechanical Characteristics			
Construction	Center fed folded dipoles (with baluns) fixed on a one piece vertical boom. Main boom is 65 mm dia.		
Dimensions Length	200 MHz	3500 mm	137.8 in
Weight without bracket	200 MHz	15 kg	33.1 lbs
Wind load @ 160 km/hr (100 mph)	200 MHz	370 N	83.2 lbf
Mounting Options		Part Number	
Mounting bracket	0300235/00		

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.