

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 carefully designed antenna meets 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.

## 7428xxx

V-Pol | 2 Stacked Center Fed Dipole Array | 205° | 5.0 dBd

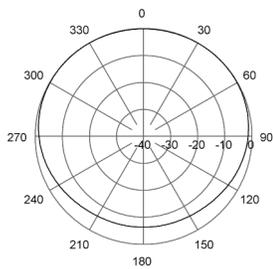
Replace "xxx" with desired model number option.

Electrical Characteristics		
Frequency range	130..230 MHz	
Model number options (xxx)	Model Number 7428000 7428170 7428200	Frequency band* 139.5-149 MHz 176-192 MHz 192-208 MHz
Bandwidth	±5% (typical)	
Polarization	Vertical	
Horizontal beamwidth	205°	
Vertical beamwidth	33°	
Gain	5.0 dBd	
Electrical downtilt	0°	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	>7 dB	
Maximum power	300 W	
Connector type	N-Female + 3m of RG213 cable	
Lightning protection	DC grounded	

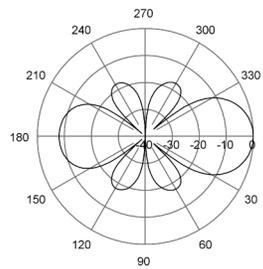
\* Other frequencies available upon request.

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	4000 mm	157.5 in
Weight without bracket	200 MHz	9.5 kg	20.9 lbs
Wind load @ 160 km/hr (100 mph)	200 MHz	360 N	80.9 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.