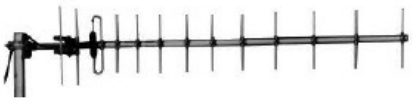
A 12-element UHF Yagi antenna for PMR/Trunked Radio and Broadcast applications that carries UK R.A. approval to MPT1411 for UHF Telemetry. Produced to the highest quality standards these robust antenna designs will insure reliable operation in harsh environmental conditions. Low IMP rated models are available upon request.

7014xxx

V-Pol or H-Pol | 12-Element Yagi | 36° | 12.0 dBd

Replace "xxx" with desired model number option.



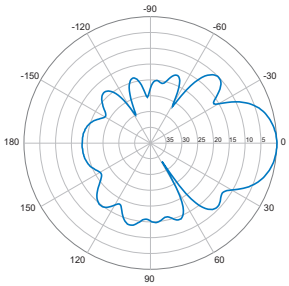
Electrical Characteristics		
Frequency range	300..500 MHz	
Model number options (xxx)	Model Number 7014390 7014400 7014450	Frequency band* 370-400 MHz 400-430 MHz 450-470 MHz
Bandwidth	±4% (typical)	
Polarization	Vertical or Horizontal	
Horizontal beamwidth	36°	
Vertical beamwidth	33°	
Gain	12.0 dBd	
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.

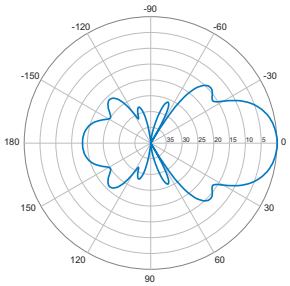
Mechanical Characteristics			
Materials	Boom, 32 mm dia. aluminium, Elements, 12.7 mm dia. aluminium, Balun, fully moulded enclosure		
Dimensions (Length)	300 MHz: 460 MHz:	3160 mm 2150 mm	124.4 in 84.6 in
Weight without bracket	300 MHz: 460 MHz:	5.9 kg 5.0 kg	13.0 lbs 11.0 lbs
Operational wind speed		162 km/hr	100 mph
Wind load @ 160 km/hr (100 mph)	300 MHz: 460 MHz:	207 N 140 N	46.5 lbf 31.5 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
Mounting accessory (optional)	0900018/00 Trombone 2-point mount

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.