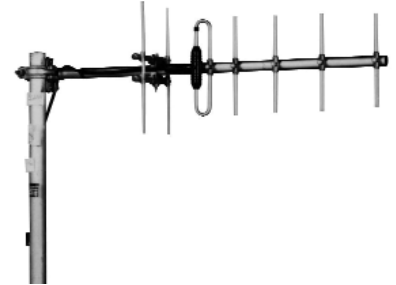


A 6-element VHF/UHF Yagi antenna for PMR/Trunked Radio and Broadcast applications. Produced to the highest quality standards, these robust antenna designs will insure reliable operation in harsh environmental conditions. Low IMP rated models are available upon request.

7042xxx

V-Pol or H-Pol | 6-Element Yagi | 64° | 8.5 dBd

Replace "xxx" with desired model number option.



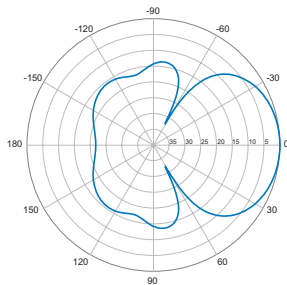
Electrical Characteristics		
Frequency range	130..500 MHz	
Model number options (xxx)	Model Number	Frequency band*
	7042140	140-156 MHz
	7042155	155-175 MHz
	7042220	215-225 MHz
	7042390	370-410 MHz
	7042450	440-470 MHz
Bandwidth	±5% (typical)	
Polarization	Vertical or Horizontal	
Horizontal beamwidth	64°	
Vertical beamwidth	56°	
Gain	8.5 dBd	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	>16 dB	
Maximum power	150 W	
Connector type	N-Female + 3m of RG213 cable	
Lightning protection	DC grounded	

* Other frequencies available upon request.

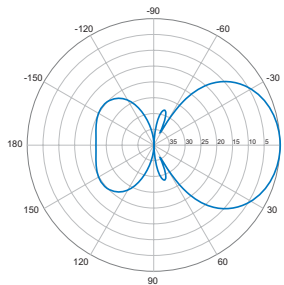
Mechanical Characteristics		
Materials	Boom, 32 mm dia., aluminium Elements, 12.7 mm dia., aluminium Balun, fully moulded enclosure	
Dimensions (Length)	100 MHz:	3800 mm / 149.6 in
	145 MHz:	2700 mm / 106.3 in
Weight without bracket	100 MHz:	6.2 kg / 13.7 lbs
	145 MHz:	5 kg / 11 lbs
Wind load @ 160 km/hr (100 mph)	100 MHz:	290 N / 65.2 lbf
	145 MHz:	200 N / 45 lbf

Mounting Options		Part Number
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.