

## 7031xxx

V-Pol or H-Pol | 2-Element Yagi | 150° | 3.0 dBd

A 2-element VHF Yagi antenna for PMR/Trunked Radio, Broadcast and extended range VHF Aircraft Band applications. 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.



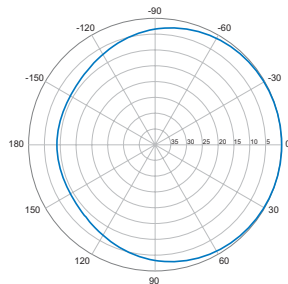
Electrical Characteristics	
Frequency range	50..250 MHz
Model number options (xxx)	Model Number
	7031050
	7031066
	7031075
	7031088
	7031105
	7031139
	7031144
	7031156
	7031220
Frequency band*	68-78 MHz
	75-88 MHz
	92-100 MHz
	98-106 MHz
	100-110 MHz
	139.5-149 MHz
	145-165 MHz
	155-175 MHz
	215-225 MHz
Bandwidth	±6% (typical)
Polarization	Vertical or Horizontal
Horizontal beamwidth	150°
Vertical beamwidth	75°
Gain	3.0 dBd
Impedance	50Ω
VSWR	<1.5:1
Front-to-back ratio	>12 dB
Maximum power	150 W
Connector type	N-Female + 3m of RG213 cable
Lightning protection	DC grounded

\* Other frequencies available upon request.

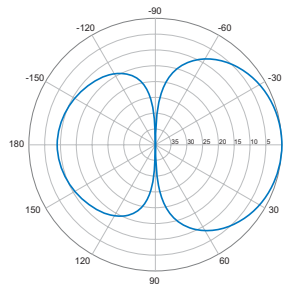
Mechanical Characteristics	
Materials	Boom, 32 mm dia. aluminium, Elements, 19 mm dia. aluminium, Balun, fully moulded enclosure
Dimensions (Length)	55 MHz: 1800 mm 70.9 in
	200 MHz: 850 mm 33.5 in
Weight without bracket	55 MHz: 4.2 kg 9.3 lbs
	200 MHz: 1.9 kg 4.2 lbs
Wind load @ 160 km/hr (100 mph)	55 MHz: 260 N 58.5 lbf
	200 MHz: 90 N 20.2 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.