

## 7049xxx

A 3-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.

V-Pol or H-Pol | 3-Element Yagi | 120° | 5.0 dBd

Replace "xxx" with desired model number option.



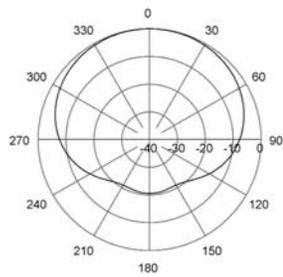
Electrical Characteristics	
Frequency range	50..250 MHz
Model number options (xxx)	Model Number
	7049066
	7049075
	7049098
	7049145
	7049000
7049220	
Frequency band*	66-76 MHz
	75-88 MHz
	88-108 MHz
	144-165 MHz
	155-175 MHz
	215-225 MHz
Bandwidth	±6% (typical)
Polarization	Vertical or Horizontal
Horizontal beamwidth	120°
Vertical beamwidth	70°
Gain	5 dBd
Impedance	50Ω
VSWR	<1.5:1
Front-to-back ratio	>15 dB
Maximum power	150 W
Connector type	N-Female + 3m of RG213 cable
Lightning protection	DC grounded

\* Other frequencies available upon request.

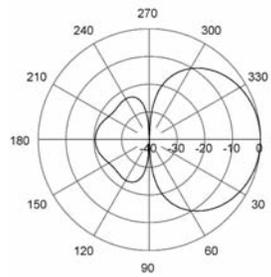
Mechanical Characteristics	
Materials	Boom, 32 mm dia., aluminium Elements, 19 mm dia., aluminium Balun, fully moulded enclosure
Dimensions (Length)	55 MHz: 2800 mm 110.2 in
	240 MHz: 900 mm 35.4 in
Weight without bracket	55 MHz: 5.8 kg 12.8 lbs
	240 MHz: 2.0 kg 4.4 lbs
Wind load @ 160 km/hr (100 mph)	55 MHz: 385 N 86.6 lbf
	240 MHz: 95 N 21.4 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.