



VHF Collinear Omni Antenna

Electrical Specifications

Frequency Range	-0	150-160 MHz
	-1	156-166 MHz
	-2	162-174 MHz
Gain	5.2 dBd	
VSWR (Return Loss)	<1.5:1 (14dB)	
Passive IM 3 rd Order (2x20W)	-150 dBc	
Peak Instantaneous Power (PIP)	25 kW	
Power Input	500 W	
Vertical Beamwidth	16°	
Horizontal Beamwidth	Omni +/-0.5 dB	
Input	7-16 DIN Female	D7
	4.3-10 DIN Female	D4

Mechanical Specifications

Configuration	Collinear 4 dipoles Series fed	
Length	256"	
Radome Diameter	3.0"	
Weight	46 lbs	
Shipping Weight	76 lbs	
Shipping Dimensions	L	265"
	W	4"
	H	4"
Projected Area	3.73 ft ² (no ice)	
	4.0 ft ² (with ice)	
Lateral Thrust @ 100mph	149 lbs	
Mounting Area	30.0" x 3.5" diam. aluminum	
Suggested Clamps (not included)	PLMTKIT-1	
Wind Gust Rating	150 mph	



ATC-GC1V40-**X-Y**

X = Input Connector [D7 for 7-16 DIN(f); D4 for 4.3-10 DIN(f)]

Y = Frequency Detail [0-2]

Standard Elevation Pattern

