

VHF Omnidirectional Exposed Dipole Antenna

- Broadband Performance covers entire band
- 100% Welded Construction
 - Increased Durability
 - Decreased Installation time
- Internally routed cable harness
 - Protects harness from elements and animals
 - Prevents damage during installation

Electrical Specifications	
Frequency Range	136-174 MHz
Gain	6 dBd
VSWR (Return Loss)	<1.5:1 (14 dB)
Passive IM 3 rd Order (2x20W)	-150 dBc
Peak Instantaneous Power (PIP)	25 kW
Power Input	750 W
Vertical Beamwidth	18°
Horizontal Beamwidth	Omni +/-0.5 dB
Input	7-16 DIN-Female D7 4.3-10 DIN-Female D4 20" pigtail
Beam Tilt	0° std. or -3°

Mechanical Specifications	
Configuration	8 dipoles (4 bays) Turnstile stacked
Length	240"
Weight	68 lbs
Shipping Weight	lbs
Shipping Dimensions	L 248" W 28" H 32"
Mounting Area	20.0" x 3.0" diam. Aluminum
Suggested Clamps (not included)	PLMTKIT-1

Environmental Specifications	
Temperature Range	-40° to 140°F (-40° to 60°C)
Wind Velocity (Max)	115 MPH
Wind Velocity -1/2" Ice (Max)	90 MPH
Projected Area	4.2 ft ² (no ice) 4.5 ft ² (with ice)
Lateral Thrust @ 100mph	168 lbs



Standard Elevation Pattern

