

30-50 MHz Low VHF Dipole Antenna

- Broadband Dipole
- No Tuner Required

Model DPV-113

Part # 1000-2143-401

ELECTRICAL SPECIFICATIONS

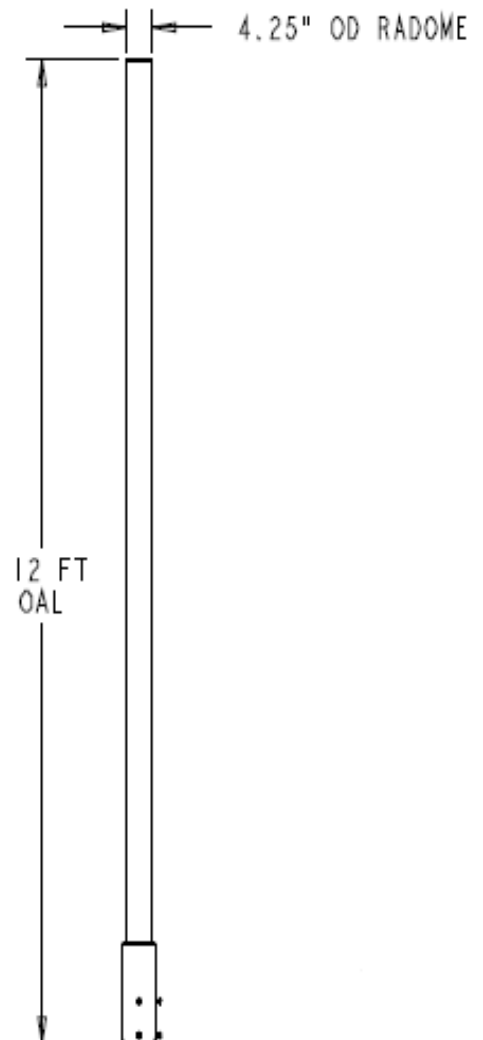
Azimuth Pattern (At Horizon)	Omni-directional
Frequency Band	30-50 MHz
Polarization	Vertical
Gain (At Horizon)	-1.4 dB to +.75 dB
Electrical Tilt (From Horizon)	0 degrees
Impedance	50 ohms
Input VSWR	2.0:1 Max
Average Power Input	100 W Max
Lightning Protection	DC ground

MECHANICAL SPECIFICATIONS

Width (or diameter)	4.25" OD Radome 5.25" OD Base
Length	12 ft
Net Weight	35 lbs
Mounting Hardware	All Hardware Included for 4 ½ OD Vertical Pipe Mount
Connector	7/16 DIN (female)
Finish	MIL-DTL-53039B (Type II)
Color:	Olive Drab (34088), Sand (33303), White (37875), or Tan (686A)

ENVIRONMENTAL SPECIFICATIONS

Operational Temperature Range	-10 to 140 °F
Operational / Survival	
Wind Velocity	150 mph, no ice



The DPV-113 is a 30-50 MHz broadband, passive, vertically polarized dipole that does not require a tuner for operation. The antenna is designed to withstand and operate in a worse case wind loading of 150 MPH wind with no ice.

The antenna is designed to mount to the end of a 4.50 inch diameter pipe. The antenna base fits over the pipe and is secured with four 3/8-16 SST bolts. This mounting method makes installation easier as the antenna will support itself as the bolts are being tightened.

The radome is made with high strength filament wound epoxy fiberglass and painted with a MIL-DTL-53039B chemical agent resistant coating (CARC). The CARC paint is available in several colors. The mount base is CARC painted aluminum.