

## UHF Omni/Cardioid 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
- Extensive Null-Fill in Elevation Pattern

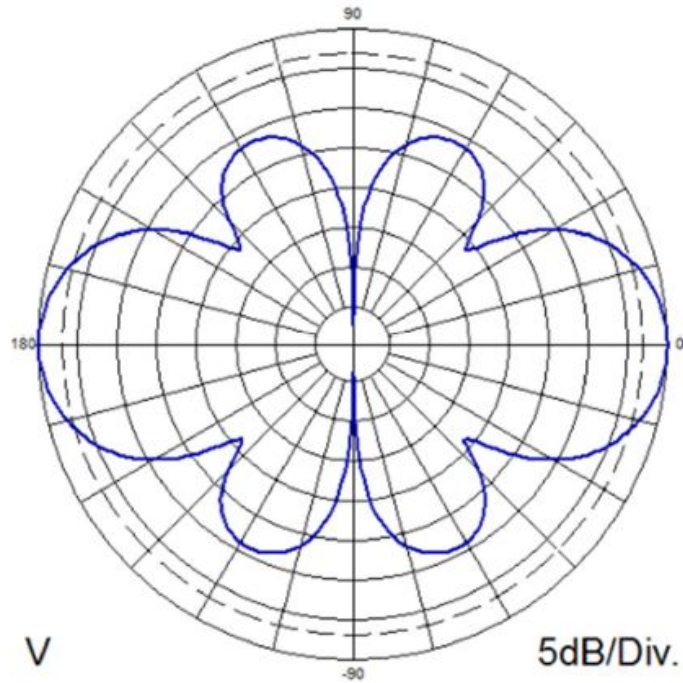
Electrical Specifications	
Frequency Range	400-520 MHz
Gain- Omni	3 dBd
Gain- Cardioid	5 dBd
VSWR (Return Loss)	<1.5:1 (14dB)
Isolation	-35 dB
Passive IM 3 <sup>rd</sup> Order (2x20W)	-150 dBc
Peak Instantaneous Power (PIP)	25 kW
Power Input	500 W
Vertical Beamwidth	30°
Horizontal Beamwidth	Omni +/-0.5 dB
Input	7-16 DIN Female D7 4.3-10 DIN Female D4 20" pigtail

Mechanical Specifications	
Configuration	Exposed Dipole Dual Input
Length	118"
Weight	20 lbs
Shipping Weight	28 lbs
Shipping Dimensions	L 124" W 19" H 19"
Mounting Area	20.0" x 1.9" diam. aluminum
Suggested Clamps (not included)	PLMTKIT

Environmental Specifications	
Operating Temperature	-40° to +140°F (-40°C to 60°C)
Projected Area	1.1 ft <sup>2</sup> (no ice) 1.2 ft <sup>2</sup> (with ice)
Lateral Thrust @ 100mph	44 lbs.
Wind Gust Rating	150 mph



**Omni Elevation Pattern**



**Cardioid Elevation Pattern**

