

## 1300-1535 MHz ANTENNA

- Designed for line of sight coverage
- Elevation pattern null fill above the horizon
- Low Angle elevation plane

### Model : DPV-200

Part Number: 1500-0661-201

The L-Band antenna was designed for line of sight voice or data communication circuits. The antenna is vertically polarized and has a frequency range of 1300–1535 MHz with a 100 watt average power capacity. The antenna was specifically designed to optimize maximum radiated power above the horizon by including up-tilt and null fill. Null fill above the horizon ensures the radiated power remains virtually constant allowing for uninterrupted communication between the antenna and the aircraft, while the antenna's 9 dBi gain accommodates long range communication circuits of over 100 miles. The antenna's robust design is suitable for extreme environmental conditions.



#### ELECTRICAL SPECIFICATIONS

SPECS	PERFORMANCE
Frequency Range	1300-1535 MHz
VSWR (max)	2.0:1 MHz (50 Ω)
Gain	9 dBi (minimum)
Polarization	Vertical
Vertical -3dB Beamwidth	7° (minimum)
Horizontal -3dB Beamwidth	360°
Azimuth Ripple	+/- 0.5 dB
Power Input	100 Watts (ave), 250 Watts (PEP)

#### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

SPECS	PERFORMANCE
Connector	7/16 DIN
Mounting	Side Mount
Radome	Fiberglass
Radome Diameter	2.42" O.D.
Color	White (standard)
Length	~61"
Weight	5.5 lbs
Wind Survival	115 MPH w/1.45" radial ice
Lightning Protection	Direct Ground
Shock	MIL-S-901C, Grade A, Class 1
Vibration	MIL-STD_167-1, Type 1



101 S. E. 25th Avenue  
Mineral Wells, TX 76067  
800.553.1507 (USA ONLY)  
p: 940.325.3301  
f: 940.325.0716

e:sales@antennaproducts.com

[www.antennaproducts.com](http://www.antennaproducts.com)

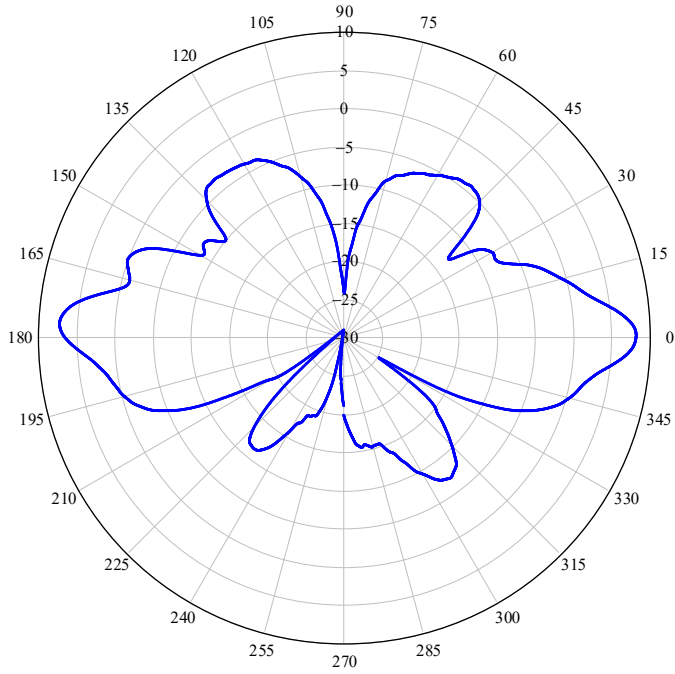
Pursuant to APC's policy of continuous product improvement, specifications are subject to change without notice or obligation.

*Communication Solutions For A Wireless World*



DPV-200

Elevation Pattern



Azimuth Pattern

