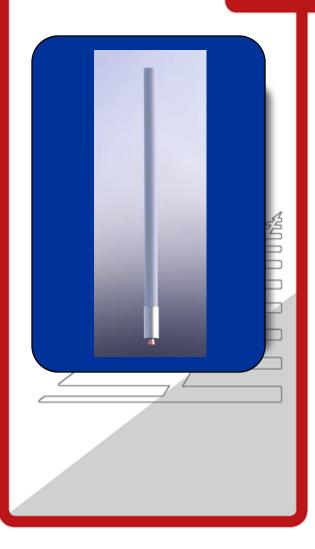
#### 2200-2400 MHz S-BAND ANTENNA

- Uptilt and null-fill for improved ground-to-air coverage
- Rugged, Fiberglass radome

## **Ground-To-Air**



#### Model: DPV-110A

Part Number: 1500-0649-201 (antenna and mounting clamps)

**1000-2326-401** (antenna only)

he DPV-110A S-Band antenna was designed for ground-to-air, line of sight voice or data communication circuits. The antenna is vertically polarized and has a frequency range of 2200-2400 MHz with a 200 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 base station and the aircraft, while the antenna's 10 dBi gain accommodates long range communication circuits of over 100 miles. The antenna is supplied with a 7-16 DIN connector. The rugged fiberglass radome and thick walled aluminum mounting base ensure the DPV-110A will provide many years of excellent service in extreme environmental conditions including wind and ice.

ELECTRICAL SPECIFICATIONS		
SPECS	PERFORMANCE	
Frequency Range	2200-2400 MHz	
VSWR	1.5:1 typ, 1.8:1 max (50 Ω	2)
Gain	10 dBi+/03 dBi	
Polarization	Vertical	
Vertical -3dB Beamwidth	7° +/- 1°	
Horizontal -3dB Beamwidth	360°	
Azimuth Ripple	+/- 0.5 dB	
Power Input	200 Watts	
Null Fill	>-20 dB Typ	
Electrical Uptilt	1-2°	

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS		
SPECS	PERFORMANCE	
Connector	7-16 DIN Female	
Mounting	Side mount; clamps provided	
Radome	Fiberglass	
Radome Diameter	2.375 inches (60.33 mm) O.D.	
Color	White Standard (Color Options Available)	
Length	48"(1219.2 mm)	
Weight	5 lbs (1.81 kg)	
Wind Survival	120 MPH (193.12 km) with 1" radial ice	
Lightning Protection	Direct Ground	



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

## 2200-2400 MHz S-BAND ANTENNA

- Uptilt and null-fill for improved ground-to-air coverage
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#### **Elevation Patterns**

