

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)

The 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)
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" (1219.2mm)
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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Communication Solutions For A Wireless World

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Elevation Patterns

