

2025-2400 MHz ANTENNA

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

Model : DPV-203

Part Number: 1500-0664-201

The S-Band antenna was designed for line of sight voice or data communication circuits. The antenna is vertically polarized and has a frequency range of 2025-2400 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 high gain accommodates long range communication circuits. The antenna's robust design is suitable for extreme environmental conditions.



ELECTRICAL SPECIFICATIONS

SPECS	PERFORMANCE
Frequency Range	2025-2400 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 (PEP)

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

SPECS	PERFORMANCE
Connector	7/16 DIN
Mounting	Side Mount
Radome	Fiberglass
Radome Diameter	1.75" O.D.
Color	White (standard)
Length	~51"
Weight	3.6 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



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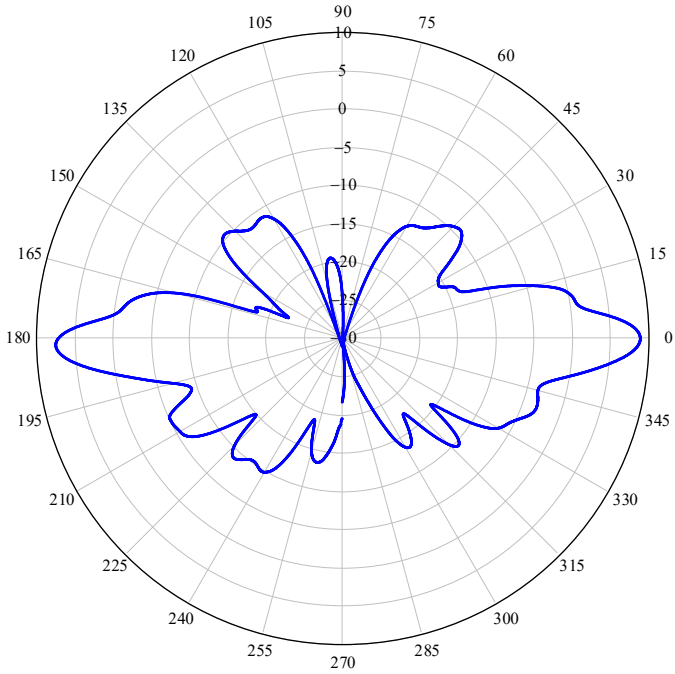
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Communication Solutions For A Wireless World



DPV-203

Elevation Pattern



Azimuth Pattern

