



2.3-2.7 GHz 60° & 90° Sector Panel with Null Fill

PCTEL's WiMAX cross polarized antenna is designed to cover frequencies from 2.3 to 2.7 GHz. It offers excellent front-to-back ratio of > 32 dB with a VSWR of less than 1.5 in a rugged, off-white UV resistant radome.

Features

- Outstanding port-to-port isolation of 30 dB typical
- VSWR of less than 1.5
- Null fill
- Great upper side lobe suppression
- Adjustable scissors-style pipe mount bracket with 0-10° downtilt

Technical Data

Polarization: Linear dual slant ± 45°
Nominal Impedance: 50 ohms
VSWR: < 1.5
Front to Back Ratio: > 32 dB
Port-to-Port Isolation: 30 dB typical
Null Fill: -15 dB
Upper Side Lobe Suppression: 30° above horizon: > -18 dB
Radome Material: Gray UV resistant plastic
Connector: Type N female
Mounting Method: Adjustable pipe mount bracket (included)
Mount Material: Nickel Zinc Trivalent Plated Steel (RoHS Compliant)

RF/Electrical Specifications

Model	Frequency Range	Nominal Gain	Azimuth Beamwidth	Elevation Beamwidth
SP2327-18XP60NUF	2.3-2.5 GHz	17.5 dBi	60° ± 5°	6°
	2.5-2.7 GHz	18.0 dBi	60° ± 5°	6°

Mechanical Specifications

Model	Temperature Range	Dimensions (L x W x D)	Weight (Mass)	Wind Survivability
SP2327-18XP60NUF	-40° F to +158° F (-40° C to +70° C) (storage or operating)	48 x 6.7 x 3.5 in (1232x171x90 mm)	8.8 lbs (4.0 kg)	125 mph (200 km/h)

