



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

This WiMAX antenna is designed to cover frequencies from 2300 to 2700 MHz. It offers excellent port to port isolation of > 30 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
- Double null fill
- Adjustable scissors-style pipe mount bracket with 0-10° downtilt

RF/Electrical Specifications

Model	Frequency Range	Nominal Gain	Azimuth Beamwidth	Elevation Beamwidth
SP2327-16XP60NUF	2300-2500 MHz	16.0 dBi	60° +/- 5°	9°
	2500-2700 MHz	16.5 dBi	60° +/- 5°	9°
SP2327-15XP90NUF	2300-2500 MHz	14.5 dBi	90° +/- 5°	9°
	2500-2700 MHz	15.0 dBi	90° +/- 5°	9°



Technical Data

Polarization: Linear dual slant +/- 45°
Nominal Impedance: 50 ohms
VSWR: < 1.5
Front to Back Ratio: > 25 dB
Port to Port Isolation: 30 dB typical
Null Fill: 1st Sidelobe: -15dB 2nd Sidelobe: -18dB
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)

Mechanical Specifications

Model	Temperature Range	Dimensions (L X W X D)	Weight (Mass)	Wind Survivability
SP2327-16XP60NUF	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)
SP2327-15XP90NUF	-40°C to 65°C storage / -40°C to 65°C operating	28" x 6.7" x 3.5" (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph (200 km/h)

Model	Frontal Wind Load*	Side Wind Load*
SP2327-16XP60NUF	132.3 lbf [588.4N]	37.2 lbf [165.7 N]
SP2327-15XP90NUF	132.3 lbf [588.4N]	37.2 lbf [165.7 N]

*Wind load based on EIA-222, 100 MPH 1/2" radial ice, 30 feet elevation