



WISP Directional Panels



Technical Data

General Specifications: Directional panel antennas
Maximum Power Input: 20 watts
Polarization: Linear, vertical/horizontal
Nominal Impedance: 50 ohms
Nominal SWR: < 1.8
Radome Material: UV stable plastic
Cable: 12" RG58/U with attached female N connector
Temperature Range: -40°C to +70°C

WISP Directional Panel Antennas

The directional panel antennas are designed to provide maximum gain at 2.4 GHz frequencies. With a SWR of less than 1.8, all models provide efficient and stable performance across the band. These robust antennas are designed for outdoor applications.

Features

- Patented printed circuit board design. Best performance-to-price ratio.
- Attractive, low profile UV stable housing. Blends well with indoor and outdoor environments where aesthetic considerations are important.
- Corner exit RG-58/U pigtail design. Permits the panel to be mounted in vertical or horizontal polarity.
- Adjustable mounting brackets for outdoor mounting. Provide maximum flexibility for outdoor installations.

Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth	Front-to-Back Ratio
WISP24009PTNF	2.3-2.7 GHz	9.0 dBi	60°	60°	> 15 dB
WISP24013PTNF	2.3-2.7 GHz	13.0 dBi	35°	35°	> 18 dB
WISP24018PTNF	2.3-2.7 GHz	18.0 dBi	18°	19°	> 25 dB

Mechanical Specifications

Model	Dimensions Range	Weight (Mass)	Temperature Range	Frontal Wind Loading @100 mph
WISP24009PTNF	5.1" x 4.7" x 1.5"	0.5 lbs	-40°C to +70°C	9.3 lbs
WISP24013PTNF	8.8" x 8.1" x 1.6"	1.2 lbs	-40°C to +70°C	27.9 lbs
WISP24018PTNF	15.1" x 13.9" x 1.9"	3.9 lbs	-40°C to +70°C	85 lbs

Mounting Method

Model	Included Mount
WISP24009PTNF	Indoor/outdoor articulating mount
WISP24013PTNF	Heavy duty outdoor adjustable mount
WISP24018PTNF	Heavy duty outdoor adjustable mount