

WISP Directional Panels

MAXRAD

Technical Data

General Specifications: Directional panel antennas
Maximum Power Input: 20 watts
Polarization: Linear, vertical/horizontal
Nominal Impedance: 50 ohms
VSWR: < 1.6:1
Radome Material: UV stable plastic
Cable: 12" RG58/U with attached female N connector
Temperature Range: -40°C to +70°C
Mounting Method: Indoor/outdoor articulating mount (WISP24009PTNF) Heavy duty outdoor adjustable mount (WISP24013PTNF and WISP24018PTNF)

WISP Directional Panel Antennas

The directional panel antennas are designed to provide maximum gain at 2.4 GHz frequencies. With a VSWR of less than 1.6:1, 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.

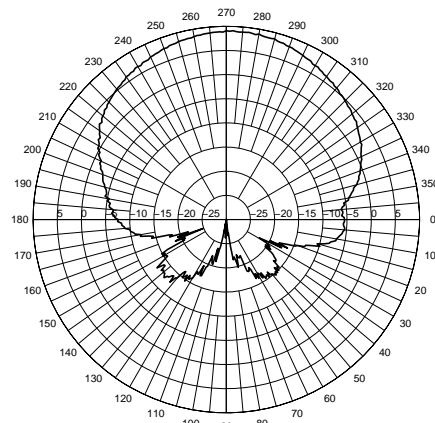
Antenna Electrical Specifications

Model	Frequency Range	Gain	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth	Front-to-Back Ratio
WISP24009PTNF	2.3-2.5 GHz	9.0 dBi	60°	60°	> 15 dB
WISP24013PTNF	2.3-2.5 GHz	13.0 dBi	35°	35°	> 18 dB
WISP24018PTNF	2.3-2.5 GHz	18.0 dBi	18°	19°	> 25 dB

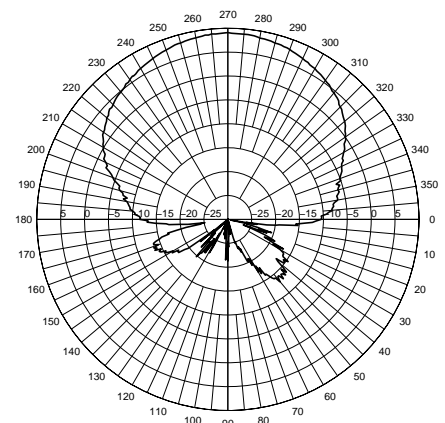
Mechanical Specifications

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

Radiation Patterns



WISP24009PTNF Azimuth Pattern



WISP24009PTNF Elevation Pattern