

FM-PANEL-22

Dual-Polarized Directional Panel Antenna

FM-PANEL-22 directional panel antenna was designed to cover frequencies used in industrial wireless applications and to obtain maximum gain with an attractive, low-profile package. These models provide efficient and stable performance across the band and can be mounted indoors or outdoors.

FEATURES

- ASA radome and PC board conform to the UL 94 HB flame retardant rating, allowing maximum installation flexibility
- Attractive, low-profile housing allows antenna to blend well in indoor or outdoor environments where aesthetic considerations are important
- Fully adjustable mounting bracket for pipe or wall mount installations
- Meets stringent building code requirements
- Panel mounted type N female connector



STANDARD CONFIGURATION

Model	FM-PANEL-22
Connector	2 x Type N Female Panel Mount Connectors
Mount	Fully adjustable mount (included) Suitable for wall or mast mount installations

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	FM-PANEL-22
Frequency Range	4.9-5.9 GHz
Gain	22.5 dBi +/- 1 dB
VSWR	1.5:1 typical, 2.0:1 maximum
Azimuth Half Power Beamwidth	9°
Elevation Half Power Beamwidth	9°
Front to Back Ratio	> 29 dB
Average Power	20 watts
Nominal Impedance	50 ohms
Polarization	Dual Linear, H/V or ±45° slant

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	14.5 x 14.5 x 1.57 in (368 x 368 x 40 mm)
Weight	3.5 lbs (1.6 kg)
Housing Material	UL 94 HB ASA radome
Rated Wind	125 mph
Temperature Range	-40°C to +85°C

AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 5.1 GHz

ELEVATION RADIATION PATTERN MIDBAND
FREQ. 5.1 GHz