

# Multi-Band Dual Diversity Directional Panel Antenna

The MPDD245807PTRPC provides dual diversity coverage of 2.4-2.5 GHz and 4.9-5.9 GHz frequencies with 7 dBi gain performance. This compact directional panel antenna includes four cable terminations for use with dual band, dual diversity Wi-Fi radios. The antenna includes an adjustable wall/mast mount.

## Features

- Provides the performance of two multi-band 2.4/5.8 GHz quad-band antennas in an attractive, low profile package
- UL94-V0 plastic and PC board for compliance with UL's high flame retardant standard
- Attractive, low profile housing. Blends well with indoor environments where aesthetic considerations are important
- Adjustable mounting brackets for indoor and outdoor mounting (included)

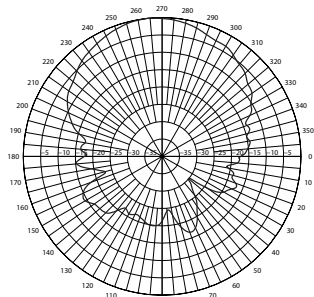
## Antenna Electrical Specifications

Model	Frequency Range	Gain	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth	Typical Port to Port Isolation
MPDD245807PTRPC	2.4-2.5 GHz/	7 dBi	90°	60°	25 dB
	4.9-5.9 GHz	7 dBi	85°	60°	30 dB

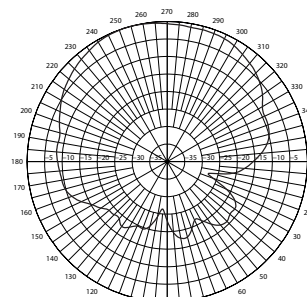
## Mechanical Specifications

Model	Dimensions	Weight (Mass)	Temperature Range	Wind Loading (frontal) @100 mph Wind
MPDD245807PTRPC	5.1" x 4.7" x 1.5" (12.0 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	-40° C to +70° C	9.3 lbs

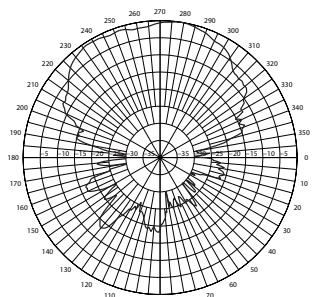
## Radiation Patterns



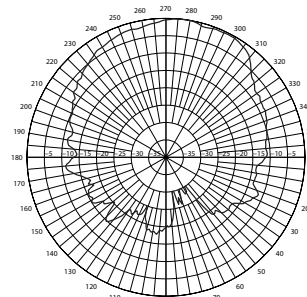
Elevation Cut at 2.4 GHz



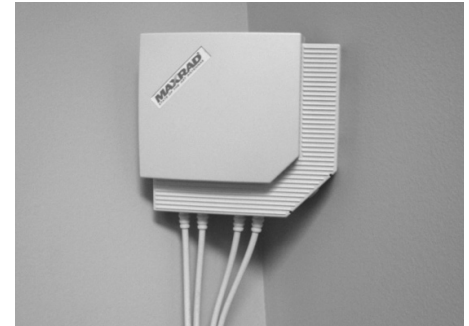
Azimuth Cut at 5.0 GHz



Elevation Cut at 5.0 GHz



Azimuth Cut at 5.0 GHz



MPDD245807PTRPC



## Technical Data

<b>Maximum Power Input:</b> 20 watts
<b>Polarization:</b> Linear, vertical
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.5:1 (2.4 GHz) < 2.0:1 (5.0 GHz)
<b>Front-to-Back Ratio:</b> > 15 dB
<b>Radome Housing:</b> UL94-V0 plastic
<b>Cable:</b> Four 36" (4) RG-58A/U, white
<b>Connector:</b> Reverse Polarity TNC standard Other connector options feasible
<b>Mounting Brackets:</b> MPAB11 short adjustable bracket for wall or pipe mount (included) MPAB12 long adjustable corner mount (sold separately)