



MP24008XFPT

## Directional Panel Antennas

These directional panel antennas are designed to cover various frequencies with a VSWR of less than 1.5:1, obtaining maximum gain with an attractive, low-profile package. All models provide efficient and stable performance across the band and can be mounted indoors or outdoors.

### Features

- PCB design. Provides best performance-to-price ratio.
- UL94-V0 plastic and PC board conform to UL's high flame retardant rating, allowing maximum placement flexibility. Meets stringent building code requirements.
- Attractive, low profile 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 indoor installation are included. Indoor corner mounting bracket and heavy duty outdoor mounting brackets are also available. These provide maximum flexibility for indoor or outdoor installations.



MP24580809PT  
on MPAB11 Mount



MP24013XFPT  
on MPAB12 Corner Mount



### Technical Data

<b>Maximum Power Input:</b> 20 watts (25 watts for dual-band models)
<b>Polarization:</b> Vertical or horizontal, linear (except MP24012CPLXFPT) Left hand circular (Model MP24012CPLXFPT and MP9026CPLXFPT) Right hand circular (MP9026CPRXFPT only)
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> See Electrical Specifications
<b>Radome Material:</b> UL94-V0 plastic
<b>Lightning Protection:</b> DC grounded
<b>Cable:</b> See Mechanical Specifications
<b>Connector Options:</b> N female (part #NF) is standard. Please consult factory for other connector options.
<b>Mounting Method:</b> Adjustable azimuth/elevation MPAB11 mount is included with 5.1" x 4.7" x 1.5" housing panels.

## Antenna Electrical Specifications

Model	Frequency Range	Gain	VSWR	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth	Front-to-Back Ratio
MP8066XFPT	806-960 MHz	8.1 dBi	< 1.5:1	70°	60°	> 17 dB
MP8906XFPT	890-960 MHz	8.6 dBi	< 1.5:1	70°	60°	> 17 dB
MP9027XFPT	902-928 MHz	9.1 dBi	< 1.5:1	65°	65°	> 17 dB
MP9026CPLXFPT	902-928 MHz	8.5 dBic	< 1.5:1	65°	65°	> 20 dB
MP9026CPRXFPT	902-928 MHz	8.5 dBic	< 1.5:1	65°	65°	> 20 dB
MPMB80621MPTC	806-960 MHz	5 dBi	< 2.0:1	70°	67°	> 15 dB
	1710-2170 MHz	7.5 dBi	< 2.0:1	75°	55°	> 20 dB
MP24008XFPT	2.3-2.5 GHz	8.5 dBi	< 1.5:1	60°	60°	> 15 dB
MP24580809PTNF	2.4-2.48 / 4.94-5.85 GHz	8 dBi / 9 dBi	< 2.0:1 / < 2.0:1	60° / 50°	60° / 40°	> 22 dB / > 15 dB

## Mechanical Specifications

Model	Dimensions	Weight (Mass)	Temperature Range	Cable
MP8066XFP	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	-40°C to +70°C	12" RG-58/U
MP8906XFPT	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	-40°C to +70°C	12" RG-58/U
MP9027XFPT	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	-40°C to +70°C	12" RG-58/U
MP9026CPLXFPT	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	-40°C to +70°C	12" RG-58/U
MP9026CPRXFPT	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	-40°C to +70°C	12" RG-58/U
MPMB80621MPTC	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	-40°C to +70°C	3' ( 91.4 cm) RG-58/U
MP24008XFPT	5.1" x 4.7" x 1.5" (12.9 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	-40°C to +70°C	12" (30.5 cm) RG-58/U*
MP24580809PTNF	5.1" x 4.7" x 1.5" (12.9 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	-40°C to +70°C	12" (30.5 cm) Plenum Rated ML195

\*Plenum cable optional (special order item)