



MP24008XFPT

Directional Panel Antennas

The MAXRAD 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



Technical Data

Maximum Power Input: 20 watts
Polarization: Vertical or horizontal, linear (except MP24012CPLXFPT) Left hand circular (Model MP24012CPLXFPT and MP9026CPLXFPT) Right hand circular (MP9026CPRXFPT only)
Nominal Impedance: 50 ohms
VSWR: See Electrical Specifications
Radome Material: UL94-V0 plastic
Lightning Protection: DC grounded
Cable: See Mechanical Specifications
Connector Options: N female (part #NF) is standard. Please consult factory for other connector options.
Mounting Method: Adjustable azimuth/elevation MPAB11 mount is included with 5.1" x 7.7" x 1.5" housing panels. Adjustable azimuth/elevation MPAB12 indoor corner mount is sold separately.



MP24012CPLXFPT
on MPAB12 Corner Mount

For detailed specifications, visit <http://antenna.pctel.com>.

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
MP19008XFPT	1850-1990 MHz	8.0 dBi	< 1.5:1	90°	60°	> 15 dB
MP19013XFPT	1850-1990 MHz	12.5 dBi	< 1.5:1	40°	35°	> 18 dB
MP24008XFPT	2300-2500 MHz	8.5 dBi	< 1.5:1	60°	60°	> 15 dB
MP24012CPLXFPT	2300-2500 MHz	12.0 dBic	< 1.5:1	35°	35°	> 20 dB
MP24013XFPT	2300-2500 MHz	13.0 dBi	< 1.5:1	35°	35°	> 18 dB
MP51513XFPT	5150-5350 MHz	13.0 dBi	< 1.5:1	42°	27°	> 23 dB
MP58013XFPT	5725-5875 MHz	12.5 dBi	< 1.5:1	42°	28°	> 23 dB
MP24580809PT	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
MP19008XFPT	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*
MP19013XFPT	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" (30.5 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*
MP24012CPLXFPT	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" (30.5 cm) RG-58/U*
MP24013XFPT	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" (30.5 cm) RG-58/U*
MP51513XFPT	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	6" (15.25 cm) .141 semi-rigid*
MP58013XFPT	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	6" (15.25 cm) .141 semi-rigid*
MP24580809PT	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

* UL910 rated cable optional.