



MP series antenna



MP8066XFPT on MPAB12 mount



MP8066XFPT on
MPAB8 heavy duty bracket



800/900 MHz and Cellular 3G Directional Panel Antennas

These directional panel antennas are designed to cover 800/900 MHz 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

- Highly efficient antenna element provides high performance in an attractive, compact housing.
- UL94-V0 plastic and PC board. Provides UL's high flame retardant rating allowing maximum placement flexibility. Meets stringent building fire rating codes.
- 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 linear polarized panel to be mounted in vertical or horizontal polarity with a wide variety of connectors.
- Optional UL 910 rated Plenum cable. Allows the cable to be installed in the strictest indoor mounting locations, including air ducts.
- Optional adjustable mounting brackets for indoor and outdoor mounting. Provide maximum flexibility for indoor or outdoor installations.

Technical Data

Maximum Power Input: 20 watts
Polarization: Linear, vertical/horizontal (all models but MP9026CPLXFPT and MP9026CPRXFPT) Left hand circular (MP9026CPLXFPT only) Right hand circular (MP9026CPRXFPT only)
Nominal Impedance: 50 ohms
VSWR: < 1.5:1 (except MPMB80921MPTC model) < 2.0:1 (MPMB80921MPTC model only)
Radome Material: UL 94-V0 plastic
Cable: 12" (30.5 cm) RG-58/U (UL910 rated cable optional) for all models except MPMB9021MPTC 3' (91.4 cm) RG-58/U for MPMB89021MPTC model
Connector: N female (except MPMB80921MPTC model) TNC male (MPMB80921MPTC model only)
Mounting Options: MPAB11 short adjustable indoor mount MPAB7 heavy duty outdoor adjustable mount with +/-35° uptilt/downtilt adjustment MPAB8 heavy duty outdoor adjustable mount with 17° uptilt/downtilt adjustment

RF/Electrical Specifications

Model	Frequency Range	Gain	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth	Front-to-Back Ratio
MPMB80621MPTC	806-960 MHz/ 1.71-2.17 GHz	7 dBi 7.5 dB	70° 75°	67° 55°	> 15 dB > 20 dB
MP8066XFPTNF	806-960 MHz	6 dB	70°	60°	> 17 dB
MP9027XFPTNF	902-928 MHz	7 dB	65°	65°	> 17 dB
MP9026CPLXFPTNF	902-928 MHz	6.4 dBdc	65°	65°	> 20 dB
MP9026CPRXFPTNF	902-928 MHz	6.4 dBdc	65°	65°	> 20 dB

Mechanical Specifications

Model	Dimensions	Weight (Mass)	Temperature Range	Wind Loading (Frontal) @ 100 mph Wind
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	27.9 lbs
MP8066XFPTNF	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	27.9 lbs
MP9027XFPTNF	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	27.9 lbs
MP9026CPLXFPTNF	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	27.9 lbs
MP9026CPRXFPTNF	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	27.9 lbs