

## Panel Base Station Antennas



MPMB80621MPTC on MPAB12 mount



MPMB80621MPTC on MPAB8 heavy duty bracket



## AMPS, PCS, GSM and DCS Quad Band Directional Panel Antennas

This directional panel antenna is designed to cover 806-960 MHz and 1710-2170 MHz frequencies, obtaining maximum gain in an attractive, low-profile package.

This antenna provides efficient and stable performance across the AMPS, PCS, GSM, DCS 1800 and UMTS bands 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.
- Optional adjustable mounting brackets for indoor and outdoor mounting. Provide maximum flexibility for indoor or outdoor installations.

### Technical Data

<b>Maximum Power Input:</b> 20 watts
<b>Polarization:</b> Linear, vertical
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 2.0:1
<b>Radome Material:</b> UL 94-V0 plastic
<b>Cable:</b> 3' ( 91.4cm) RG-58/U
<b>Connector:</b> TNC male
<b>Mounting Method</b> Wall or mast mount
<b>Mounting Options (mounts sold separately):</b> MPAB11 short adjustable indoor mount MPAB12 long adjustable indoor corner mount MPAB7 heavy duty outdoor adjustable mount with +/-35° uptilt/downtilt adjustment MPAB8 heavy duty outdoor adjustable mount with 17° uptilt/downtilt adjustment

### Antenna Electrical Specifications

Model	Frequency Range	Gain	Horizontal Beamwidth	Vertical Beamwidth	Front-to-Back Ratio
MPMB80621MPTC	806-960 MHz	7 dBi	70°	67°	> 15 dB
	1710-2170 MHz	7.5 dBi	75°	55°	> 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

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