

Directional Panel Antennas for 800/900 MHz Frequencies

The MAXRAD 800/900 MHz directional panel antennas feature a patent pending printed-circuit design that covers frequencies from 806 MHz up to 960 MHz with a VSWR of less than 1.5:1. Their exclusive engineering design provides maximum gain in a small, low-profile package without the need for tuning. The series comprises four antenna models offering 6 dBd or 8 dBd of gain with extremely efficient and stable performance across the 800/900 MHz bands. Their sturdy UV stable radome withstands extreme environmental conditions, including severe weather, UV radiation and exposure to salt spray or acid rain. The MAXRAD 800/900 MHz panels include 12" of RG-58/U cable and a wide selection of connector options.

General Specifications:

Directional panel antennas for 800/900 MHz frequencies

Radome Material:

U.V. stable, gray ASA - ABS

Back Plate Material:

Weather resistant, black powder coated aluminum

Polarization:

Vertical, linear

Lightning Protection:

DC grounded

Mounting Hardware:

Clamp set for mounting to a 1-1/2" dia. pipe (included)

Nominal Impedance:

50 Ohms

Connector Options for Pigtail Models (add connector part # after PT):

Example: MP8246PTBN (Model MP8246PT with BNC connector)
 BNC, Male (Part #BN); N, Female (part #NF); N, Male (part #NM); Female SMA (part #FSMA); Male SMA (part #MSMA); Female SMA, reverse threaded (part #FSMART); Male SMA, reverse threaded (part #MSMART); Reverse Polarity TNC Plug (part #MRPC); TNC, Male (part #C); Mini-UHF, Male (part #PL); Female FME (part #FFME).



800/900 MHz Directional Panel

Electrical Specifications								
Directional Panel Antennas for 800/900 MHz								
Model #	Frequency Range	Gain	Front to Back Ratio	3dB Horizontal Bandwidth	3dB Vertical Bandwidth	VSWR	Max. Power Input	Connector
MP8066T*	806-866 MHz	6 dBd	15 dB	70°	60°	<1.5:1	> 50 W	Various options available*

MP8246PT*	824-896 MHz	6 dBd	15 dB	70°	60°	<1.5:1	> 50 W	Various options available*
MP8906PT*	890-945 MHz	6 dBd	15 dB	70°	60°	<1.5:1	> 50 W	Various options available*
MP8068PT*	806-960 MHz	8 dBd	15 dB	35°	65°	<1.5:1	> 50 W	Various options available*

* Please refer to the list of available connectors and specify your preference in the part number suffix. See the example above.

Mechanical Specifications Directional Panel Antennas for 800/900 MHz

Model #	Wind Loading (Frontal) @ 100 mph wind	Temperature Range	Dimensions	Weight	Cable
MP8066T	27.1 lbs (12.3 Kg)	-40°C to + 52°C (-40°F to + 125° F)	8.6 x 7.8 x 2.25 in (218.4 x 198.1 x 57.1 mm)	1 lb (453.6 g)	12" (30 cm) RG-58/U
MP8246PT	27.1 lbs (12.3 Kg)	-40°C to + 52°C (-40°F to + 125° F)	8.6 x 7.8 x 2.25 in (218.4 x 198.1 x 57.1 mm)	1 LB (453.6 g)	12" (30 cm) RG-58/U
MP8906PT	27.1 lbs (12.3 Kg)	-40°C to + 52°C (-40°F to + 125° F)	8.6 x 7.8 x 2.25 in (218.4 x 198.1 x 57.1 mm)	1 LB (453.6 g)	12" (30 cm) RG-58/U
MP8068PT	51.2 lbs (23.2 Kg)	-40°C to + 52°C (-40°F to + 125° F)	16.4 x 9 x 2.7 in (406.4 x 203.2 x 69.85 mm)	2 LB (907.2 g)	12" (30 cm) RG-58/U