

Dome & Body Mount Antennas

Single, Dual & BroadBand



Dual & BroadBand
RM/RMM Series



DM2-1900 PCS/GPRS Dome
Mount in white (or black)



Pole & Wall mount
adapter for RM Series

- Single band low profile Dome mount for PCS, 1X, GPRS, and Edge networks
- MultiBand designs for Cellular/GSM & PCS
- Rugged ABS, mounts to 5/8" hole (16 mm)
- Flexible seal provides watertight use

These new antennas complement Mobile Mark's broad line of antenna products for cellular & PCS/GPRS applications. These body mount style antennas can be mounted to any vehicle, container or bulkhead.

All designs use a 5/8" (16 mm) stud for securing to the surface. Access to the underside of the body surface is required to complete the installation.

The DM2-1900 antenna provides ultralow profile (1.5" H, 38 mm) with 2 dBi gain. This single band antenna is excellent for Mobile PCS or data networks (GPRS/1X/Edge compatible). The unit is supplied with a sealing gasket, and mounting hardware required. The unit can operate with or without a ground plane

The RM3 Dual Band is a medium profile (3" H, 76 mm) Antenna with performance of 3 & 5 dBi max (frequency dependent). A metal ground plane is required to maximize gain performance. The antenna radome consists of Black or white ABS UV resistant plastic, with a chrome plated mounting base and threaded feed thru. The bottom is outfitted with an "O" ring for complete sealing. Mounting hardware is provided.

The RMM-UMB is a broadband antenna capable of simultaneous operation on worldwide bands from 750 MHz up to 2.7 GHz, with excellent response. It is housed in the same rugged radome style as the RM3 dual band, and also provides gain up to 5 dBi.

All antennas are outfitted with 1 foot (30 cm) of RG-58 cable & TNC male connector as standard. Jumper cables for completing the installation can be supplied separately, low loss RF-195 is available. Alternatively, a longer integral cable can be supplied upon request.

Model Number

| Model | Description |
|--------------|---------------------------------|
| RM3-900/1900 | Dual Band US Cell & US GPRS/PCS |
| RM3-925/1800 | Dual Band EU GSM & DCS-1800 |
| RMM-UMB | BroadBand US Cellular & EU GSM |
| DM2-1800 | Single band EU DCS-1800 |
| DM2-1900 | Single band PCS/GPRS white dome |
| RM-MK | Pole/wall mount for RM3/RMM |

Antennas are supplied with standard 1 foot (304 mm) cable, but can also be outfitted with other lengths. All models are available in white or black radome.

Specifications

Frequency:

| | |
|-------------|-------------------------|
| US Cell/PCS | 824-894 & 1850-1990 MHz |
| EU GSM/DCS | 870-960 & 1710-1880 MHz |
| Broadband | 750 - 2700 MHz |

Peak Gain:

| | |
|------------|-----------------------|
| RM3 Series | 3 dBi @ 900 MHz |
| | 5 dBi @ 1900 MHz |
| RMM | 3 dBi @ 750-1250 MHz |
| | 5 dBi @ 1650-2700 MHz |
| DM2 Series | 2 dBi |

VSWR: 2:1 max over range

Operating Temp: -40° to +85° C

Nominal Impedance: 50 ohms

Maximum Power: 10 watts

Case Material: ABS plastic, UV Resistant

RM3/RMM Size:

1.75" diameter x 3" high
(45mm x 76 mm)

DM2 Size:

2.9" diameter x 1.5" high
(74 mm x 38 mm)

Mounting Stud:

RM3/RMM:
5/8" (16 mm) diameter feed thru
3/4" long thread for 1/2" metal
(19 mm long for 12.7 mm metal)

DM2:
3/4" long threads for 1/2" metal
(19 mm long for 12.7 mm metal)

Hardware:

Nut/ lockwasher included

Pigtail Cable:

RG-58, 1 foot (304 mm)

Pigtail Connector:

TNC male, use jumpers for longer installation or request longer lengths at time of order

Option:

Pole/wall mount for RM3/RMM