



DM2 "Dome" Antenna



RM3 Body Mount Antenna

## Body Mount Antennas (Pat.Pend.)

For 4.9 GHz Systems

- Mounts easily to roof, trunk or bulkhead
- Ground plane independent omni configuration
- Rugged ASA plastic radome, stud mounts to 5/8" hole (16 mm diameter)
- Low profile design provides watertight seal

### Available in black or white!

These new models complement Mobile Mark's 4.9 GHz antenna product line with a new mounting option. These body mount style antennas can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

The designs use a 5/8" (16 mm) feed thru for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. The antennas are outfitted with 1 foot (30 cm) of RF-195 cable & SMA male connector. Jumper cables for completing the installation are supplied separately, and use RF-195 low loss cable. Alternatively, a longer integral cable can be supplied upon request.

Antenna performance is 3 dBi gain typical with peak gain up to 5 dBi for the RM3 series. No ground plane is required for proper operation. The antennas can even be mounted on fiberglass or plastic housing and meet specifications.

The RM3 Series antenna radome consists of Black (standard) or White ABS UV resistant plastic with a chrome plated mounting plate and threaded feed thru. The

bottom mounting plate is outfitted with an "O" ring for a watertight seal.

The DM Series Low Profile "Dome" antenna radome consists of White (standard) or Black ASA plastic UV resistant plastic and threaded feed thru. The bottom mounting plate is outfitted with a sealing gasket for a watertight seal. A mounting lock nut and washer are also supplied for securing both style of antennas.

### Model Number

Model	Description
RM3-4900	Antenna with SMA coax pigtail
DM2-4900	Low Profile "Dome" Antenna with SMA PT

Antennas are supplied with standard 1 foot (30 cm) cable, but can also be outfitted with other lengths. Please specify radome color at time of order .

### Specifications

<b>Frequency:</b>	4.4 - 5.0 GHz	<b>Case Material:</b>	ASA plastic, UV Resistant
<b>Gain:</b>	RM3: 3 dBi, 5 dBi peak DM2: 3 dBi typical	<b>Hardware:</b>	Nut, lockwasher and gasket
<b>VSWR:</b>	2:1 max over range	<b>Mounting Stud:</b>	5/8" (16 mm) diameter feed thru
<b>Operating Temp:</b>	-40° to +85° C	RM3:	3/4" long thread for 1/2" metal (19 mm long for 12.7 mm metal)
<b>Nominal Impedance:</b>	50 ohms	DM2:	1/2" long threads for 1/2" metal (19 mm long for 12.7 mm metal)
<b>Maximum Power:</b>	10 watts	<b>Pigtail Cable :</b>	RF-195, 1 ft (30 cm)
<b>RM3 Size:</b>	1.75" diameter x 3" high (45mm x 76 mm)	<b>Pigtail Connector:</b>	SMA male, use jumpers for longer installation
<b>DM2 Size:</b>	3" diameter x 1.5" high (76 mm x 38 mm)	<b>Jumper Cable:</b>	Available in varying lengths, please consult factory

# RM3-4900 Antennas

Body Mount “BUS” Antenna

3 dBi, 5 dBi Peak Gain 4.4 – 5.0 GHz

