



These new models complement Mobile Mark's Military and Public Safety antenna product line and provide a new mounting option. These body mount style antennas can be mounted to any vehicle, container or bulkhead. The rugged yet attractive style is excellent for industrial and military applications.

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 Plug (Male) connector.

A direct N Female is also available. 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 a fiberglass or plastic housing and meet specifications.

The RM3 Series antenna radome consists of black or white ASA UV

Broadband Surface Mount Antennas, 4.4-5.0 GHz

- Ideal for Military systems at 4.4 GHz or Public Safety systems at 4.9 GHz
- Ground plane independent omni configuration
- Rugged ASA plastic radome, stud mounts to 5/8" hole (16 mm diameter)
- Low profile design provides watertight seal

resistant plastic with a heavy duty metal base and threaded stud. The bottom mounting base is outfitted with a gasket for a watertight seal.

The DM Series Low Profile "Dome" antenna radome consists of white or black ASA plastic UV resistant plastic and threaded stud. The bottom mounting base is outfitted with a sealing gasket for a watertight seal.

| Model # | Description |
|---|----------------------------------|
| RM3-4900-3C-BLK-12 | Surface mount antenna |
| RM3-4900-DN-BLK | Direct N Jack (Female) |
| DM2-4900-3C-WHT-12 | Low Profile Dome Antenna |
| <u>Color options available for above models</u> WHT-White or BLK-Black | |
| RM-MK | Optional pipe mounting kit |
| NT-MK | Universal wall/pipe mounting kit |

| Specifications | | | |
|--------------------|--|---------------------|---|
| Frequency: | 4.4 - 5.0 GHz | Mounting Stud: | 5/8" (16 mm) diameter feed thru |
| Gain: | RM3: 3 dBi, 5 dBi peak DM2: 3 dBi typical | RM3 | 3/4" long thread for 1/2" metal (19 mm long for 12.7 mm metal) |
| VSWR: | 2:1 max over range | DM2 | 1/2" long threads for 1/2" metal (19 mm long for 12.7 mm metal) |
| Operating Temp: | -40° to +85° C | RM3-DN | Direct N Jack (Female) |
| Nominal Impedance: | 50 ohms | Pigtail Cable: | RF-195, 1 ft (30 cm) |
| Maximum Power: | 10 watts | Connector: | SMA Plug (Male), others available |
| RM3 Size: | 1.75" diameter x 3" high (45mm x 76 mm) | Shock & Vibration: | EN 61373, IEEE 1478, MIL- 810G TIA-329.2-C |
| DM2 Size: | 3" diameter x 1.5" high (76 mm x 38 mm) | Dust/Water Ingress: | RM3 - IP67 DM2 - IPx5 |
| Case Material: | ASA plastic, UV Resistant | | |
| Hardware: | Nut, lockwasher and gasket | | |