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Product Specifications

MOBILE MARK COMMUNICATION ANTENNAS



MRM Body Mount Antenna
(quarter not included)

Surface Mount Micro WiFi, WiMAX & 4.9 Public Safety

- Mounts easily to vehicle or fixed utility box with a small 9/16" mounting hole (14.3 mm)
- Impressive 2.5 dBi gain in a thumb-sized radome
- Rugged and weather tight ASA radome with foam sealing gasket
- Custom cable configurations & connectors

The MRM Stud mount series are micro-antennas that provide the gain and performance that is close to its bigger brother products, the RM Series. A variety of single and dual band models are available for the most popular broadband data system applications.

The MRM antenna design is "thumb" sized, only 1.35" H x 1" D (34 mm x 25mm). These antennas have a 1/2" diameter stud (13 mm) for mounting on up to 3/8" thick surface (9.5mm). To mount, access to the underside of the body surface is required. A 1/2"-20 Hex mounting nut (split nut) is also provided.

The antennas are normally outfitted with 1 foot (305 mm) of low loss RF-195 cable with an SMA Plug (Male) connector. Antennas can be factory ordered with any cable length required and connector. Alternatively, jumper cables can be provided for completing a longer installation.

Peak antenna gain performance is 2.5 dBi for the MRM Series. The antennas should be mounted on metal for best overall performance.

The MRM Series antenna radome consists of Black UV resistant plastic with a heavy duty metal base. The bottom mounting plate is outfitted with a foam gasket for complete outdoor weather sealing.

Model Number

Model	Freq GHz	Description
MRM3-2400	2.4 - 2.5	802.11 b/g WiFi
MRM3-2600	2.5 - 2.7	WiMAX
MRM3-3500	3.3 - 3.7	Broadband/WiMAX
MRM3-5500	4.9 - 6.0	802.11a & 4.9 GHz public safety band
MRM-UMB	1.7 - 6.0	Broadband
MRM3-2400/5500	2.4 & 5.5	Dual band model for 802.11 a/b/g

Antennas are supplied with standard 1 foot (305 mm) cable and SMA Plug (Male) connector standard. Units can also be outfitted with other cable lengths and connectors.

Specifications

Frequency:	See above
Gain:	2.5 dBi peak
VSWR:	2:1 max over range
Operating Temp:	-40° to +85° C
Nominal Impedance:	50 ohms
Maximum Power:	10 watts
Radome/Mount:	1.0" diameter x 1.35" high (25 mm x 34 mm)
Case Material:	ASA plastic, UV Resistant
Hardware Supplied:	Nut & sealing gasket (gasket attached)
Mounting:	1/2" Diameter stud (13 mm) 10/16" L (16 mm) for 3/8" thick surface(9.5 mm)
Pigtail Cable :	RF-195, 1 foot (305 mm), request longer lengths at time of order
Pigtail Connector:	SMA Plug (Male), others available, please specify
Jumper/Cable Option:	Use jumpers for longer installation
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Water Ingress:	IPx5

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