

Surface Mount Micro WiFi, WiMAX & 4.9 Public Safety



MRM Body
Mount Antenna

The MRM Stud mount series are micro-antennas that provide gain and performance that is close to larger products.

A variety of single and dual band models are available for different broadband data system for WiFi and WiMAX applications. The MRM-UMB model, for example, covers 1.7-6.0 GHz.

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 Hex mounting 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 and connector required. 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 white or black UV resis-

- 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

tant plastic with a heavy duty metal base.

The bottom mounting plate is outfitted with a foam gasket for complete outdoor weather sealing.

Model #	Frequency
MRM3-2400-3C-BLK-12	2.4-2.5 GHz
MRM3-2600-3C-BLK-12	2.5-2.7 GHz
MRM3-3500-3C-BLK-12	3.3-3.7 GHz
MRM3-5500-3C-BLK-12	4.9-6.0 GHz
MRM-UMB-3C-BLK-12	1.7-6.0 GHz
MRM3-2400/5500-3C-BLK-12	2.4-2.5 & 4.9- 6.0 GHz

Color options available for above models
WHT-White or BLK-Black

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) 5/8" 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:	IP67