

Surface Mount Micro WiFi, WiMAX & 4.9 Public Safety



MRM Surface Mount Antenna

- 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 comparable to larger antennas.

A variety of single and dual band models are available for different broadband data systems. The MRM-UMB model, for example, covers 1.7-6.0 GHz. This would cover both WiMAX bands.

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 mounting 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. Cable assemblies are available for longer installations.

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 resistant plastic with a heavy duty metal base. The bottom mounting plate is outfitted with a foam gasket for complete outdoor weather sealing.

Model #	Frequency
MRM3-2600-3C-BLK-12	2.5-2.7 GHz
MRM3-3500-3C-BLK-12	3.3-3.7 GHz
MRM-UMB-3C-BLK-12	1.7-6.0 GHz

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

Specifications			
Frequency:	See above	Pigtail Cable:	RF-195, 1 foot (305 mm), request longer lengths at time of order
Gain:	2.5 dBi peak	Pigtail Connector:	SMA Plug (Male), others available, please specify
VSWR:	2:1 max over range	Jumper/Cable Option:	Use jumpers for longer installation
Operating Temp:	-40° to +85° C	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Nominal Impedance:	50 ohms	Water Ingress:	IP67
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)		