



MRM Body
 Mount Antenna

Surface Mount Micro WiFi, CBRS & 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

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

The MRM Series antenna radome consists of white or black UV resistant plastic with a heavy duty metal base.

A variety of single and dual band models are available for different broadband data system for WiFi and CBRS applications. The MRM3-3500 model, for example, covers Private LTE networks on CBRS (Citizen Band Radio Service) at 3.5 GHz.

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

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 the antenna, 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 -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.

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 :	Low loss-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 (cable assemblies) for longer installation
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Water Ingress:	IP67