



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.

A variety of single and dual band models are available for different broadband data system for WiFi and CBRS applications. The MRM-UMB model, for example, covers Private LTE networks on CBRS (Citizen Band Radio Service) at 3.5 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 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 RF-195 cable with an SMA Plug Reverse polarity connector. 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 #	Frequency
MRM-UMB-3J-BLK-12	1.7-6.0 GHz

Specifications			
Frequency:	See above	Pigtail Cable :	RF-195, 1 foot (30cm),
Gain:	2.5 dBi peak	Pigtail Connector:	SMA Plug Reverse Polarity,
VSWR:	2:1 max over range	Jumper/Cable Option:	Use jumpers (cable assemblies) 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)		