



MRM3 Body Mount Antenna
(quarter not included)

Micro Body/Stud Mount (Pat.Pnd.) CDMA, GSM, 1xRTT, EV-DO

- Mounts easily to vehicle or fixed utility box with a small 9/16" mounting hole (14.3 mm)
- "Thumb" sized with impressive 2.5 dBi gain
- Rugged and weathertight ABS radome with foam sealing gasket
- Standard 1ft coax pigtail and SMA, factory built to other configurations

These new antennas are the latest evolution in compact design for a variety of mobile and fixed applications. 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 provided.

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

Peak antenna gain performance is unity on the 800/900 MHz band, with peak gain of 2.5 dBi for the 1.8/1.9 GHz bands. The antennas should be mounted on metal for best overall performance.

The MRM3 Series antenna radome consists of Black UV resistant plastic (white radome optional) with a nickel plated bottom plate. The bottom mounting plate is outfitted with a foam gasket for weathersealing.

Model Number

Model	Description
MRM3-900/1900	US 850 & 1900 Band US GSM/CDMA, EV-DO, 1xRTT 824-894 MHz & 1850-1990 MHz
MRM3-837/1900	US Nextel & 1.9 GHz PCS 804-870 MHz & 1850-1990 MHz
MRM3-925/1800	Europe GSM Band Also operates on ISM 915/Mobitex (870 - 960 MHz & 1710 - 1880 MHz)

Models also available for WiFi and Wimax applications, consult other spec sheets. Antennas are supplied with 1 foot (305 mm) cable and SMA male connector standard. Units can also be outfitted with other cable lengths and connectors.

Specifications

Frequency:	See above	Hardware Supplied:	Nut, sealing gasket attached
Gain:		Mounting:	1/2" Diameter stud (13 mm) 10/16" L (16 mm) for 3/8" thick surface (9.5 mm)
800/900 Bands	Unity Gain	Pigtail Cable :	RF-195, 1 foot (305 mm), request longer lengths at time of order
1.8/1.9 GHz Bands	2.5 dBi peak	Pigtail Connector:	SMA Male, others available,
VSWR:	2:1 max over range	Jumper/Cable Option:	Use jumpers for longer installation, or specify longer cable at time of order
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:	ABS plastic, UV Resistant		