



## Surface Mount & Mag-Mount Cellular 3G & UMTS/AWS

- Broadband RMM model for UMTS & 802.11b/g
- Flexible seal provides watertight use
- The benchmark for PTCRB certifiable systems

These antennas complement Mobile Mark's broad line of antenna products for Cellular 3G applications.

The RM3 Dual Band is a medium profile 3" H, (7.6 cm) antenna with performance of 3 & 5 dBi max (frequency dependent). A ground plane is required to maximize gain. The antenna radome consists of black ASA UV resistant plastic, with a metal base and threaded feed thru.

The bottom of the RM series is outfitted with a gasket for complete sealing. A mounting nut is provided. Magnetic mount versions, MGRM-900/1900 allow use without drilling a hole.

The RMM-UMB is a broadband version capable of simultaneous operation on worldwide bands from 750 MHz up to 2.7 GHz, with excellent response. A direct N version is also available along with the standard surface mount.

Note: Groundplane required for optimal performance.

Model #	Description
RM3-900/1900-1C-BLK-12	Dual Band US GSM/CDMA
RM3-900/1900-DN-BLK	Dual Band US GSM/CDMA
RM3-925/1800-1C-BLK-12	EU GSM/DCS-1800
RM3-925/1800-DN-BLK	EU GSM/DCS-1800
RMM-UMB-1C-BLK	Broadband US/EU Cellular
RMM-UMB-DN-BLK	Broadband US/EU Cellular
MGRM-900/1900-1C-BLK-120	Mag Mt US GSM/CDMA
MGRM-925/1800-1C-BLK-120	Mag Mt EU GSM/DCS
MGRM-UMB-1C-BLK-120	Mag Mt US/EU Broadband

Add "-TM" for Vehicle Trunk Lid Mount Option

RM-MK	Pole/wall mount for RMs w/ ground plane
NT-MK	Universal Pole/wall mount (L-Bracket)

Color options: WHT-White or BLK-Black

### Specifications

Frequency*: 900/1900 MHz 925/1800 MHz UMB	824-894 & 1850-2170 MHz 870-960 & 1710-2170 MHz 750-1250, 1650-2700 MHz	RM Mounting Stud:	5/8" (1.6 cm) diameter feed thru, 3/4" long thread for 1/2" metal (1.9cm long for 12.7 cm metal)
Peak Gain:	3 dBi @ 750-1250 MHz, 5 dBi @ 1650-2000 MHz, & 3 dBi @ 2100-2700 MHz	RM Hardware: RM Cable: Pigtail Connector:	Mounting nut included RG-58, 1 foot (30.4 cm) SMA Plug (Male)
VSWR*: Operating Temp: Nominal Impedance: Maximum Power: RM3/RMM Size:	2:1 max over range -40° to +85° C 50 Ohm 10 watts 1.7" diameter x 3" high (4.3 cm x 7.6 cm)	MGRM Mag Size:	1.7" diameter x 3.6" high (4.3 cm x 9.2 cm) Mag Base, 2.6"D (6.7 cm)
Case Material: DN Stud:	ASA plastic, UV Resistant Direct N Jack (Female)	MGRM Mag Cable: Shock & Vibration: Dust/Water ingress:	10 ft (3 m) RG-58 & SMA EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C RM:IP67; MGRM:IPx5

\*Measured on 1' (30cm) ground with 1' cable (30cm)