



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, (76 mm) 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	for 1/2" metal (19mm long for 12.7 mm metal)
Peak Gain:		3 dBi @ 750-1250 MHz, 5 dBi @ 1650-2000 MHz, & 3 dBi @ 2100-2700 MHz	RM Hardware: RM Cable: Pigtail Connector:
VSWR*:		2:1 max over range	MGRM Mag Size:
Operating Temp:		-40° to +85° C	MGRM Mag Cable:
Nominal Impedance:		50 ohms	Shock & Vibration:
Maximum Power:		10 watts	Dust/Water ingress:
RM3/RMM Size:		1.7" diameter x 3" high (43 mm x 76 mm)	
Case Material:		ASA plastic, UV Resistant	
DN Stud:		Direct N Jack (Female)	
RM Mounting Stud:		5/8" (16 mm) diameter feed thru, 3/4" long thread	

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