MobileMark
antenna solutions

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Surface Mount & Mag-Mount GSM/CDMA & Broadband

Dual & Broadband RM/RMM Series

Magnet Mount Version

Pole/Wall Adapter

Direct N Version

- Broadband RMM model for worldwide coverage including UMTS & 802.11b/g
- Rugged Stud mount uses 5/8" hole (16 mm)
- Flexible seal provides watertight use
- The benchmark for PTCRB certifiable systems

These antennas complement Mobile Mark's broad line of antenna products for Cellular 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 heavy duty metal base and threaded feed thru, or a direct N version is also available.

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.

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

Color options available for above models
WHT-White or BLK-Black

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

Specifications

Frequency:	
900/1900 MHz	824-894 & 1850-2170 MHz
925/1800 MHz	870-960 & 1710-2170 MHz
UMB	750-1250, 1650-2700 MHz
Peak Gain:	
GSM/CDMA Models	3 dBi @ 824-960 MHz
	5 dBi @ 1710-2170 MHz
Broadband Models	3 dBi @ 750-1250 MHz
	5 dBi @ 1650-2000 MHz
	3 dBi @ 2100-2700 MHz
VSWR:	2:1 max over range
Operating Temp:	-40° to +85° C
Nominal Impedance:	50 ohms
Maximum Power:	10 watts
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 for 1/2" metal (19 mm long for 12.7 mm metal)
RM Hardware:	Mounting nut included
RM Cable:	RG-58, 1 foot (304 mm)
Pigtail Connector:	SMA Plug (Male)
Pole/wall Option:	RM-MK mount for RM3/RMM
MGRM Mag Size:	1.7" diameter x 3.6" high (43 mm x 92 mm) Mag Base, 2.6"D (67 mm)
MGRM Mag Cable:	10 ft (3 m) RG-58 & SMA
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Dust/Water ingress:	RM:IP67; MGRM:IPx5