



Surface Mount Antennas WiMAX & Broadband

- Mounts easily to roof, trunk or bulkhead
- Ground plane independent omni configuration
- Rugged and attractive ASA radome, mounts to 5/8" hole (16 mm)
- Low profile design provides watertight seal

These body mount style antennas can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive enough for consumer use.

The designs use a 5/8" feed thru (16 mm) for securing to the vehicle. The antennas are outfitted with 1 foot (30 cm) of RG-58 cable for DM and RF-195 for RM and typically an SMA male connector. Jumper cables for completing the installation are supplied separately. The RM-WHF-DN has a Direct N Jack (Female).

The RM is a broadband antenna, operating 1.7-6.0 GHz, the DM2-2600 is band limited to 2.5 - 2.7 GHz.

Antenna performance is 5 dBi (peak gain) for the RM Series and 2.5 dBi (max) for the DM Series, with no ground plane required for proper operation. The antennas can even be mounted on fiberglass or plastic housing and meet specifications.

The RM and DM Series Low Profile "Dome" antenna radome consists

of Black or White ASA UV resistant plastic and threaded feed thru.

Model #	Description
RM-WHF-3C-BLK-12	Broadband with SMA
MGRM-WHF-3C-BLK-120	Mag-mount
RM-WHF-DN-BLK	Broadband w/Direct N
DM2-2600-1C-BLK-12	Low Profile "Dome"
MGD-2600-1C-BLK-120	Mag-mount "Dome"
RM-MK	Pole/Wall mount for RM's
Add "-TM" for Vehicle Trunk Lid Mount Option	
<u>Color options available for above models</u>	
WHT-White or BLK-Black	

Specifications			
Frequency:		DM2	3" D x 1.5" H (76 mm x 38 mm)
RM & MGRM	1.7-6.0 GHz	MGD	3.75"D x 1.9"H (95 mm x 48 mm)
DM2 & MGD	2.5-2.7 GHz	Mounting:	
Gain:		RM:	5/8" diameter (16mm) feed thru for up to 3/8" thick surface (9.5 mm)
RM & MGRM	5 dBi	DM2:	5/8" diameter (16mm) feed thru for up to 1/4" thick surface (6.3 mm)
DM2 & MGD	2.5 dBi max	MGD & MGRM	Magnet mount
VSWR:	2:1 max over range	RM-WHF-DN	Direct N Jack (Female)
Operating Temp:	-40° to +85° C	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Nominal Impedance:	50 Ohms	Water Ingress:	
Maximum Power:	10 Watts	RM	IP67
Case Material:	ASA plastic, UV Resistant	DM2 & MGRM	IPx5
Hardware Supplied:	Nut, Lockwasher, gasket		
Pigtail Cable length:	DM: RG-58, 1 foot (30 cm) RM: RF-195, 1 foot (30 cm) MGD: RG-58, 10 ft (3 m) MGRM: RF-195, 10 foot (3 m)		
Pigtail Connector:	SMA Plug (Male) standard		
Antenna Size:			
RM	1 3/4" D x 3" H (45 mm x 76 mm)		