



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