

Body Mount 2.6 GHz Antennas (Pat.Pnd.) Broadband & WiMAX Systems



RMM Body Mount Antenna



DM2 "Dome" Antenna

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

All models available in black or white!

These new antennas form the core of our 2.6 GHz mobile antenna product line. These body mount style antennas can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

The designs use a 5/8" feed thru (16 mm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. The antennas are outfitted with 1 foot (30 cm) of RG-58 cable and typically an SMA male connector. Jumper cables for completing the installation are supplied separately. Alternatively, a longer integral cable can be supplied upon request.

The RMM is a broadband antenna, operating 800 MHz to 2.7 GHz, the DM2-2600 is band limited to 2.5 - 2.7 GHz. Antenna performance is 5 dBi (peak gain) for the RMM 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 RMM Series antenna radome consists of Black (standard) or White ASA UV resistant plastic with a chrome plated mounting plate and threaded feed thru. The bottom mounting plate is outfitted with an "O" ring for a watertight seal.

The DM Series Low Profile "Dome" antenna radome consists of White (standard) or Black ASA UV resistant plastic and threaded feed thru. The bottom mounting plate is outfitted with a sealing gasket for a watertight seal. A mounting lock nut and washer are also supplied for securing both styles of antennas.

Model Number

Model	Description
RMM-UMB	Broadband Antenna with SMA coax pigtail and mounting hardware
DM2-2600	Low Profile "Dome" Antenna with SMA coax pigtail and mounting hardware

Antennas are supplied with standard 1 ft cable (30 cm), but can also be outfitted with other lengths. Please specify radome color at time of order .

Specifications

Frequency:		Antenna Size:	
DM2-2600	2500 - 2700 MHz	RMM	1 3/4" diameter x 3" high (45 mm x 76 mm)
RMM-UMB	750 MHz - 2700 MHz	DM2	3" diameter x 1.5" high (76 mm x 38 mm)
Gain:		Mounting:	
RMM-UMB	5 dBi peak, 2.5 - 2.7 GHz	RMM:	5/8" diameter (16 mm) feed thru for up to 3/8" thick surface (6 mm)
DM2:	2.5 dBi max	DM2:	5/8" diameter (16 mm) feed thru for up to 1/4" thick surface (9.5 mm)
VSWR:		Pigtail Cable :	
2:1 max over range		RG-58, 1 foot (30 cm)	
Operating Temp:		Pigtail Connector:	
-40° to +85° C		SMA male typical, others available	
Nominal Impedance:		Cable Options:	
50 ohms		Jumpers or longer integral cable, lower loss cable	
Maximum Power:			
10 watts			
Case Material:			
ASA plastic, UV Resistant			
Hardware Supplied:			
RMM	Lock nut & "O" ring		
DM2	Nut, Lockwasher, gasket		