



DM2 "Dome" Antenna



MGD-3500
Magnetic Mount

Body Mount 3.5 GHz Antennas Broadband & WiMAX Systems

- Mounts easily to roof, trunk or bulkhead
- Ground plane independent omni configuration
- Stud Mount model DM2 is rugged and attractive, mounts to 5/8" hole (16 mm)
- Mag Mount model MGD provides portability

These new antennas form the core of our 3.5 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 stud mount DM2 design 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 of RF-195 cable (30 cm) & TNC male connector. Jumper cables for completing the installation are supplied separately. Alternatively, a longer integral cable can be supplied upon request.

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 style of antennas.

The MGD Magnetic mount is tuned to optimize performance over the entire 3.4 - 3.7 GHz band. It is low profile, only 1.9" High (48 mm). The radome is Black ABS, with a built in grab lip for removal. The mounting magnet base is only 3.75" diameter (95 mm), yet is strong and secure. The antenna is supplied standard with 10 ft of low loss RF-195 cable (3 meters), and outfitted with a connector, typically SMA. Other connectors and cable lengths can be requested at time of order.

Model Number

Model	Description
DM2-3500	Low Profile "Dome" Antenna with 1 ft coax (305 mm) and TNC connector
MGD-3500	Magnet Mount antenna with 10 ft coax (3 meters) and connector.

DM2 antenna available in white or black, also with custom cable lengths. MGD-3500 supplied standard with 10 ft of cable (3 meters), specify connector at time of order.

Specifications

Frequency:		Antenna Size:	
DM2-3500	3400 - 3700 MHz	DM2-3500	3" diameter x 1.5" high (76 mm x 38 mm)
MGD3-3500	3400 - 3700 MHz	MGD-3500	3.75"D x 1.9"H (95 mm x 48 mm)
Gain:		Mounting:	
DM2-3500	2.5 dBi max	DM2-3500	5/8" diameter (16 mm) feed thru for up to 3/8" thick surface (9.5 mm)
MGD-3500	2.5 dBi max	MGD-3500	Magnetic mount
VSWR:	2:1 max over range	Cable :	
Operating Temp:	-40° to +85° C	DM2-3500	RF-195, 1 foot (305 mm)
Nominal Impedance:	50 ohms	MGD-3500	RF-195, 10 ft (3 meters)
Maximum Power:	10 watts	Connector:	Request at time of order
DM2 Case Material:	ASA plastic, UV Resistant	Cable Options:	Jumpers or longer integral cable, lower loss cable
MGD Case Material:	ASA plastic, UV Resistant		
Hardware Supplied:	Lock nut & "O" ring for DM2, no hardware needed for MGD		