



Tri-Band Magnet Mount

This antenna provides a high level of integration for AVL/tracking applications in a portable package. The TriBand mag provides operation on many popular wireless networks along with GPS. The Mag Mount style can be moved from vehicle to vehicle with ease. The GPS antenna has an active amplifier for maximum satellite reception.

One model operates on all popular Cellular & Personal Network combinations, for compatibility around the world. With advanced designs, there is no interaction between bands.

A separate cable/connector is provided for the GPS and radio interfaces. The antennas are provided with 10 feet (3 meters) of dual bonded RG-174 cable. Standard connectors are SMA for GPS and Cellular. All connectors are male/plug. Other connectors and configurations may be available, please consult your sales representative.

GPS performance is 26 dB LNA for Amplifier with 5 dBi nominal RHCP antenna gain. The GPS circuit has a low noise figure (2.0 dB max) with excellent filter characteristics. Power for the GPS amplifier signal is applied through the same cabling directly to the GPS circuit.

Magnet Mount Antenna Cellular 806-2500 MHz & GPS

- Mounts easily to roof/trunk of vehicle
- High performance GPS with 26 dB active amplifier, 2.7 to 5 VDC Bias
- Secure & low profile only 3.5" high (89 mm)
- Models for all GSM/CDMA wireless modems including GPRS/EDGE/3G/AWS/UMTS

Model Configurator

MG0-U15- 2 2 - -

Connector 1 _____

Connector 2 _____

Color _____

Cable Length in Inches (eg. 12 or 120) _____

Example: MG0-U15-2C2C-BLK-120

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
2	RG-174	A	TNC	BLK	Black
		B	Mini UHF		
		C	SMA		
		D	SMB		
		E	MCX		

(Other Configurations available.)

Specifications

Frequency:	806-960, 1700-2500 MHz & 1575 MHz
Cellular / PCS Gain:	Unity
GPS Gain:	26 dB, LNA
VSWR:	5 dBi nominal RHCP Antenna
Noise Figure:	2:1 max over range
Operating Temp:	2.0 dB max, 1.7 dB typical
Nominal Impedance:	-40° to +80° C
	50 ohms
Maximum Power:	10 Watts
Amplifier Bias:	2.7 to 5 VDC
Current:	20 mA max, 10 mA typical
Cable:	Dual bonded RG-174 10 ft (3 meters), exits at side

Mounting:	Magnet with protective base.
Case Material:	Polycarbonate, black
Base size:	1" H x 2 5/8" D (25 mm x 67 mm)
Overall Height:	3.5 inches (89 mm)
Connector:	SMA/SMA Plug (Male) standard
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C