



GPS/GSM Multi-Band Magnetic Low-Profile Antenna

The GPSGSMMSMA multi-band GPS magnetic mount antenna provides omnidirectional coverage of GSM frequencies from 824-896 MHz and 1710-1990 MHz plus GPS L1 vehicle tracking support. This low-profile antenna features a magnetic mount base that makes installation and removal quick and simple. The assembly includes an adhesive VHB tape layer for more permanent installations. Its low-profile housing reduces antenna exposure to theft or vandalism. It is ideal for vehicular applications requiring voice coverage and asset tracking support to improve operational dispatch efficiencies. Applications include commercial delivery, maintenance, public safety or mass transit vehicles.



GPSGSMMSMA

Features

- Extremely compact low-profile housing for minimum visibility and maximum overhead clearance
- Multi-band frequency coverage and GPS tracking support minimize the number of antennas required on the vehicle for more cost effective installations
- UV stability for long lasting outdoor applications
- Adhesive VHB tape layer for more permanent installations, if required; tape provides added protection to the vehicle's surface

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
GPSGSMMSMA	16.4 feet RG-174/U (GPS) 16.4 feet RG-174/U (GSM)	Male SMA (GPS) Male SMA (GSM)	Magnetic mounting Adhesive VHB tape layer included.

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Operating Frequencies	Maximum Gain	Polarization	VSWR
824-896 MHz 1710-1990 MHz	2 dBi*	Linear (GSM frequencies)	< 2.5:1 (GSM)

ELECTRICAL SPECIFICATIONS - GPS ANTENNA

Frequency Band	Current Draw	LNA Gain	Polarization	VSWR	Maximum Power (GSM)	Input Impedance
L1: 1575.42 ± 3 MHz	< 15 mA @ 3-5V	25 ± 3 dB	Right hand circular (GPS)	< 1.5:1 (GPS)	8 Watts	50 Ohms

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Temperature Range	Magnet Pull Force	Housing Material
2.8 x 2.4 x 0.5 in (7.2 x 6.2 x 1.4 cm)	0.4 lbs (.181 kg)	-40°C to +85°C	2.8 lbf, minimum	Black UV-resistant plastic

* Gain will vary depending on frequency and method of installation. Measured on a 9-inch ground plane, not including cable attenuation.

** For other connector options, please refer to GPS Multi-Band Mobile Antenna Configurator Part Number Guide.

*** The top of the antenna housing must be directed toward the sky, as indicated by the "AIRWARD" on the antenna radome.