



GPSGSMMSMA



Technical Data

Maximum Power (GSM): 8 watts
Polarization: Right hand circular (GPS) Linear (GSM frequencies)
Input Impedance: 50 ohms
VSWR: < 1.5:1 (GPS) < 2.5:1 (GSM)
Radome: Black UV resistant plastic
Cable: 17 feet (5 meter) RG-174/U (GPS) 17 feet (5 meter) RG-174/U (GSM)
Connector*: Male SMA (GPS) Male SMA (GSM)
Mount Method**: Magnetic mounting Adhesive VHB tape layer included.
Magnet Pull Force: 2.8 lbf, minimum

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.

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

GPS Antenna Electrical Specifications

Center Frequency	Current Draw	LNA Gain
L1: 1575.42 +/- 3 MHz	< 15 mA @ 3-5V	25 +/- 3 dB

GSM Antenna Specifications

Operating Frequencies	Typical Gain (without cable)
824-896 MHz 1710-1990 MHz	2dB +/- 1dB @ 800 MHz 1dB +/- 1dB @ 1800 MHz

Mechanical Specifications

Weight	Dimensions	Temperature Range
0.4 lbs (181.4 grams)	2.8 x 2.4 x 0.5 inches (7.2 x 6.2 x 1.4 cm)	-40°C to +85°C

**The top of the antenna housing must be directed toward the sky, as indicated by the "AIRWARD" on the antenna radome. For other connector options, please refer to GPS Multi-Band Mobile Antenna Configurator Part Number Guide.