



GPSGSMMSMA

**MAXRAD**

## Technical Data

<b>Maximum Power (GSM):</b> 8 watts
<b>Polarization:</b> Right hand circular (GPS) Linear (GSM frequencies)
<b>Input Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.5:1 (GPS) < 2.5:1 (GSM)
<b>Radome:</b> Black UV resistant plastic
<b>Cable:</b> 17 feet (5 meter) RG-174/U (GPS) 17 feet (5 meter) RG-174/U (GSM)
<b>Connector*:</b> Male SMA (GPS) Male SMA (GSM)
<b>Mount Method:</b> Magnetic mounting Adhesive VHB tape layer included.
<b>Magnet Pull Force:</b> 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 strong magnetic mount base that makes installation and removal quick and simple. The assembly includes an adhesive VHB tape layer for more permanent installations, if necessary. 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	2dB +/-1dB @ 800 MHz
1710-1990 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

\* Consult factory for other connector options.