

GPS/GSM Multi-band Through Hole Low Profile Antenna

The GPSGSMMSMA multi-band GPS 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 is designed for permanent roof top vehicular installations. It is ideal for mass transit applications requiring voice coverage and GPS tracking to improve operational dispatch and schedule maintenance efficiencies. The antenna's very low profile design minimizes its exposure to theft or vandalism.

Features

- Extremely low profile housing for minimum visibility and maximum overhead clearance
- Multi-band frequency coverage and GPS support minimize the number of antennas required on the vehicle for easier, more cost effective installations
- UV stability for long lasting outdoor operation
- Adhesive VHB tape layer supports permanent installation and provides added protection to the vehicle's surface
- White radome option available

GPS Antenna Electrical Specifications

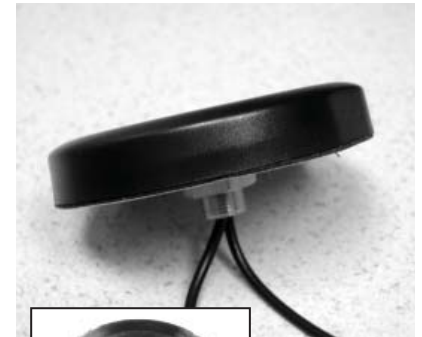
| Center Frequency | Current Draw | LNA Gain |
|-----------------------|----------------|-------------|
| L1: 1575.42 +/- 3 MHz | < 15 mA @ 3-5V | 25 +/- 3 dB |

GSM Antenna Specifications

| Operating Frequencies | Typical Gain (without cable) |
|------------------------------|---|
| 824-896 MHz 1710-1990 MHz | 2dB +/- 1dB @ 900 MHz 1dB +/- 1dB @ 1800 MHz |

Mechanical Specifications

| Weight | Dimensions | Temperature Range |
|-------------------------|-----------------------------------|-------------------|
| 0.45 lbs (204 grams) | 3.1 x 0.59 inches (8 x 1.5 cm) | -40° C to +85° C |



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: UV stable plastic Black (part number GPSGSMMSMA) White (part number WGPSGSMMSMA) |
| 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: 1/2 inch through hole mount Mount assembly includes flat adapter shim for installations on existing larger hole diameters. Adhesive VHB tape layer included. |

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