26 dB Gain GPS L1 Glass Mount Antenna

The AGPS26GMMSMA glass mount global positioning system (GPS) antenna utilizes an electrically shielded LNA PCB assembly and ceramic filter designed to to provide high out-of-band rejection for optimal integration in multi-band installations. The assembly is permanently encased in a compact, UV-stable radome, making it ideal for concealed vehicle tracking applications.

AGPS26GMMSMA

Features

- Outstanding interference rejection
- High bond tape for vehicle windshield glass installation
- Rugged, low-profile housing for minimum visibility
- 26 dB gain
- ESD protection

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
AGPS26GMMSMA	17 feet RG-174/U	Male SMA (attached)	High Bond tape for dashboard glass mounting

ELECTRICAL SPECIFICATIONS - GPS ANTENNA

Nominal Impedance	Element Gain	Frequency Range	Amplifier Gain*	Polarization
50 ohms	At zenith: 3 dBic nominal	1575.42 ± 1 MHz (GPS L1)	Without antenna element and cable: 26 dB ± 3	Right hand circular

ELECTRICAL SPECIFICATIONS - GPS ANTENNA, continued

Polarization	Out of Band Rejection	Noise Figure	Axial Ratio	Current Draw	DC Voltage	VSWR
Right hand circular	40 dB @ ± 50 MHz typical	1.8 typical @ 25°	< 3 dB @ boresight	@ 5 volts: 20 mA Nominal < 30 mA @ -40°C to +85°C (Filter Out-Of-Band)	3-5 V (regulated)	1.5:1 (typical)

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Housing Material	Temperature Range	Humidity
2.22 L x 1.97 W x 0.59 D in (56.3 x 50 x 14.9 mm)	Black, UV-stable plastic	-40°C to +85°C	10 to 95% RH