

AGPS26GMMSMA - 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 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.

Features

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

Electrical Specifications (Patch)

Center Frequency	Polarization	Nominal Impedance	VSWR	Gain at Zenith	Axial Ratio
1575.42 MHz (GPS L1)	Right hand circular	50 ohm	1.5:1 typical	3 dBiC Nominal	< 3 dB @ boresight

Mechanical Specifications

Housing	Housing Dimensions	Mounting Method	Cable	Connector
Black, UV-stable plastic	2.22 x 1.97 x .59 inches (L x W x D)	High Bond tape for glass mounting	17 feet RG-174/U	Male SMA (attached)

Environmental Specifications

Operating Temperature Range	Storage Temperature Range	Operating Condition	Storage Condition	High Bond Tape Specifications
-40°C to +85°C	-40°C to +85°C	-40°C to +85°C temperature 10 to 95% RH humidity	-40°C to +85°C temperature 10 to 95% RH humidity	Conformable foam Acrylic adhesive Moisture and Solvent resistant High Shear and peel adhesion



Electrical Specifications (Filter/LNA)

Center Frequency: 1575.42 +/- 1 MHz (GPS L1)
Amplifier Gain without Antenna Element and Cable: 26 dB +/- 3
Nominal Impedance: 50 ohm
Noise Figure (25°): 1.8 typical
VSWR: 1.5:1 typical
Voltage: 3-5 V (regulated)
DC Current @ 5 Volts: 20 mA Nominal < 30 mA @ -40°C to +85°C (Filter Out-Of-Band)
Filtering: Hybrid (including pre-selector)
Out-of-Band Signal Rejection: 40 dB @ +/- 50 MHz typical