

High Rejection GPS Magnetic Mount Series



PCTEL's AGPSHP35MMMSMA high rejection magnetic 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. Its assembly is permanently encased in a compact, UV-stable radome, making it ideal for concealed vehicle tracking applications.

Features

- Preselection filter for outstanding interference rejection
- Rugged, low-profile housing for minimum visibility
- ESD/Reverse Polarity/Transit voltage protection



AGPSHP35MMMSMA

STANDARD CONFIGURATION

Model	Cable	Connector*	Mount
AGPSHP35MMMSMA	17 feet RG-174/U	SMA Plug	2 built-in rare earth Nd magnets

ELECTRICAL SPECIFICATIONS - GPS ANTENNA

Frequency Band	Gain	Amplifier Gain	Polarization	Nominal Impedance	Out of Band Rejection
1575.42 MHz (GPS L1)	4 dBiC Nominal	35 dB $\pm$ 4	Right hand circular	50 ohms	-40 dB @ $\pm$ 50 MHz typical

ELECTRICAL SPECIFICATIONS - GPS ANTENNA, continued

Noise Figure	Axial Ratio	DC Current	DC Voltage	VSWR
1.8 typical @ 25°	3.0 dB typical	20 mA Nominal < 35 mA @ -40°C to +85°C	3-5.5 V (internal regulated)	1.5:1 (typical)

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Housing Material	Cable Pull Force	Magnet Pull Force:	Temperature Range	Humidity
2 L x 1.77 W x .55 D in (59.8 x 44.9 x 13.9 mm)	Black, UV-stable plastic	10 lbf, minimum	5 lbf, minimum	-40°C to +85°C	10 to 95% RH

* Consult Customer Service for other connector options.