



AGPS26MM

MAXRAD

Technical Data

Polarization: Right hand circular
Input Impedance: 50 ohms
VSWR: 2.0:1, maximum (Filter/LNA)
Operating Supply Voltage: 3-5 Vdc; 50 mV p-p ripple (maximum)
Housing: Black, UV-stable plastic
Cable: 17 feet RG-174/U
Connectors Options**: MSMA or Right Angle SMB Plug standard MC, BN, FFME, ASBJ, ASBP, MCX, MMCX available
Cable Pull Force: 10 lbs, minimum
Magnet Pull Force: 5 lbs, minimum
Mount Method: Magnet (MM suffix)
Additional Mount Options*: Screw (SM), mirror (MR) or adhesive tape™

For detailed specifications,
visit <http://antenna.pctel.com>.

Multiple Mount GPS L1 GPS Antenna

The Max-Matics™ AGPS26 global positioning system (GPS) antenna features an electrically shielded LNA PCB assembly that is permanently encased in a UV-stable, black radome. Providing 26 dB of gain and 3 to 5 Vdc operation, this active GPS antenna provides outstanding GPS support for a multitude of vehicle tracking applications. This magnetic mount antenna can be ordered with additional screw, mirror or tape mount hardware, and a variety of connector options for added installation flexibility and compatibility with most GPS systems.

Features

- Various mount options for maximum versatility. Magnetic mount standard. Screw, tape or mirror mount hardware optional.
- Wide variety of connector options provide greater flexibility and compatibility with most GPS systems.

Filter/LNA Antenna Electrical Specifications

Operating Frequency	Gain	Noise Figure	Out-of-Band Attenuation	Current Consumption
L1: 1575.42 +/- 1.023 MHz	26 dB typical	1.8 dB typical (2.2 dB maximum)	fo=1575.42 MHz fo +/- 20 MHz 7 dB, typical fo +/- 50 MHz 20 dB, typical fo +/- 100 MHz 30 dB, typical	20 mA, maximum @ 3-5 Vdc (9 mA typical)

Antenna Patch Electrical Specifications

Center Frequency	Gain	Bandwidth	Axial Ratio
1575.42 +/- 3 MHz (when covered with a radome and measured by a 2.75 x 2.75 inch ground plane)	+5.0 dBic typical at zenith -1.0 dBic minimum at 10° elevation	10 MHz minimum (10 dB return loss)	3.0 dB typical

Mechanical Specifications

Dimensions	Weight (Mass)
2" x 1.77" x .55"	4.09 +/- 0.35 oz

Environmental Specifications

Operating Condition	Storage Condition
-40°C to +85°C temperature 10 to 95% RH humidity	-40°C to +85°C temperature 10 to 95% RH humidity

* To select mount preference, add the corresponding suffix to the AGPS26 part number. Example: AGPS26SM indicates a magnetic base AGPS26 antenna with additional screw mount hardware.

** Please specify connector preference when ordering.