



EM-MG13001-SP GPS Magnet Mount Antenna

- Low-profile compact design
- UV stabilized, high-impact Polycarbonate housing
- Rubber gasket waterproof construction

GPS (L1) LNA and Filter Specifications

Frequency Band (L1)	1575.42± 1.023 MHz
Input/Output VSWR	2.0:1 max
Impedance	50Ω
Gain	28 dB (min); 30 dB Typical
Noise Figure	1.5 dB Typical
Operational Voltage (Vdc)	2.5 - 5.5 Vdc
Current Drain (Idc)	13 - 18 mA Typical
Filter Attenuation (L1± 50 MHz)	20 dB
Axial Ratio	3 dB max

Passive Element

Gain at Zenith	5 dBic Typical
Antenna VSWR	1.5:1 max
Impedance	50Ω
Polarization	RHCP

Mechanical Specifications

Dimensions L x W x H	40.5mm x 38mm x 12.3mm
Weight	105g
Mounting Application	Magnet Mount
Cable	16.5 ft. (5m) RG174/U
Connector	SMA Plug
Operating Temperature	-30° to 80° C
Humidity	95%

