



EM-MG13004-SP

GPS/GLNSS

Magnet Mount Antenna

- Low-profile, rugged, compact design
- High-impact Polycarbonate housing
- UV Stabilized
- IP67 Rated
- High rejection SAW Filter
- Low current consumption

GPS/GLNSS Antenna, LNA and Filter Specifications

Frequency Band	1575 – 1615 MHz
Output VSWR	2.0:1 max
Impedance	50Ω
Gain	27±3 dB (@3V); 30±3 dB (@5V)
Noise Figure	2.0 dB, Typ.
Operational Voltage (Vdc)	3.0 – 5.0 V
Current Drain (Idc), @3V	8±3mA
Current Drain (Idc), @5V	16±3mA
Rejection, Out of Band (<1475 MHz)	37 dB, Typ.
(>1652 MHz)	37 dB, Typ.
Antenna Gain at Zenith	3.6 dBic (GPS); 4.1 dBic (GLNSS)
Antenna VSWR	2:1 max
Antenna Polarization	RHCP

Mechanical Specifications

Dimensions L x W x H	49.1mm x 46.1mm x 15.9mm
Weight	138g
Mounting Application	Magnet Mount
Cable	16.4 ft. (5m) RG174/U
Connector	SMA Plug
Operating Temperature	-40° to 90° C
Humidity	65 ±20% RH
Environmental Protection	IP67

Specifications subject to change without notification.