Product Data Sheet



EM-MG13004-SP

GNSS
GPS/Galileo/QZSS/GLNSS
Magnet Mount Antenna

- Low-profile, rugged, compact design
- High-impact ASA housing
- UV Stabilized
- Ingress: IP67
- High Rejection SAW Filter
- Low current consumption

GPS/GNSS Antenna, LNA and Filter Specifications

Frequency Band		1575–1610 MHz
Output VSWR		2.0:1 max
Impedance		50Ω
Gain		27±2 dB @3V
Noise Figure		1.6 dB, max.
Operational Voltage (Vdc)		2.5 – 6.0 V
Current Drain (Idc), @3V		13±2mA
Current Drain (Idc), @5V		15±2mA
Rejection	(≤1525 MHz)	>34 dB, Typ.
	(≥1660 MHz)	>34 dB, Typ.
Antenna Gain at Zenith		3 dBic
Antenna VSWR		2:1 max
Antenna Polarization		RHCP

Mechanical Specifications

Dimensions L x W x H	54mm x 54mm x 17.5mm
Weight	110g
Mounting Application	Magnet Mount
Cable	16.4 ft. (5m) RG174/U
Connector	SMA Plug
Operating Temperature	-40° to 80° C
Storage Temperature	-40° to 85° C
Humidity	55% RH, Non-Condensing
Environmental Protection	IP67

Specifications subject to change without notification.

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