

NA106

GPS/GLONASS Magnetic Mount Antenna



KEY FEATURES

- LNA 28 dB gain typical (GPS)
- Low noise figure 2.4dB

Low profile GNSS antenna is designed for applications which require high positioning accuracy by combining signals from GPS and GLONASS systems. A high gain wide-band patch antenna on an integral ground delivers reliable performance. Fully IP65 waterproof rating allows use in outdoors environments. Front end SAW filter configuration eliminates potential LNA burn-out from nearby out of band radiated power bursts from other antennas that may be co-located nearby. 3 meter cable with SMA(M) connector.

Technical specifications

Center Frequency	1561.098±2.046MHz	1575.42±1.023 MHz	1602±8 MHz
Antenna Gain	+3.98 dBi(typ.) @zenith XZ-Plane +4.16 dBi(typ.) @zenith YZ-Plane	+1.82 dBi(typ.) @zenith XZ-Plane +2.06 dBi(typ.) @zenith YZ-Plane	+1.10 dBi(typ.) @zenith XZ-Plane +1.43 dBi(typ.) @zenith YZ-Plane
Axial Ratio	1.99 dB(typ) @zenith	1.44 dB(typ) @zenith	2.98 dB(typ) zenith
Polarization	RHCP		
Frequency	Beidou: 1561.098±2.046 MHz GPS: 1575.42±1.023 MHz GLONASS: 1602±8 MHz		
Impedance	50Ω		
VSWR	2.0 Max		
DC Input	1.8V (min.)	3.0V(typ.)	5.5V(max.)
LNA Gain	22dB	28dB	30dB
Noise Figure	2.4dB	2.1dB	2.4dB
Power Consumption	3.2mA	7.3mA	8.4mA

Environmental and Mechanical

Antenna Dimensions	2.1" x 2.0" x 0.7" (53 x 50 x 17mm)
Housing Material	ABS
Cable	9.8 ft (3m) RG174
Connector	SMA(M)
Waterproof	IP65
Weight	3.25 oz (92g)
Magnetic Pull Force	Pull horizontal max pull force(kgf) : 0.52 Pull vertical max pull force(kgf) : 0.48
Operation Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +90°C

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Revision #:	A
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