

MEA-GG-MM

GPS/GLONASS Magnetic Mount
Ordering Part #: TBD

Description

The MEA-GG-MM is a multi-frequency, high accuracy, GNSS antenna for the GPS & GLONASS bands. The antenna's excellent radiation pattern, exceptional out-of-band rejection, and low noise figure ensures optimal performance of GNSS systems. It features a 3 m cable with an integrated SMA, SMB, Fakra or MCX connector (customer choice). This low-profile magnetic mount is ideal for robotics, rail, UAV, industrial and IOT applications. This antenna offers an ultra-low-profile design with easy mounting and customizable cables and connector options. The MEA-GG-MM is IP67 rated.

Electrical specifications

Passive Parameter	Specification
Frequency	1575.42 MHz / 1602 MHz
Impedance	50 Ohm
VSWR	$\leq 1.1:1$ dB / $\leq 1.4:1$ dB
Gain	~ 3.6 dBic / ~ 3.9 dBic
Polarization	RHCP
Radiation	Hemispherical
Max Power	50W

Active Parameter	Specification
Frequency	1575.42 MHz / 1602 MHz
Impedance	50 Ohm
VSWR	$< 1.2:1$
Gain	26 dB @ 3V, 28 dB @ 5V
Polarization	RHCP
Radiation	Hemispherical
Max Power	2.7 - 5.5

Mechanical specifications

Parameter	Specification
Cable length	3m
Cable Type	LLR100
Height	14.7 mm
Diameter	$\Phi 54$ mm
Connector	SMA Male standard
Mounting type	Magnetic Mount

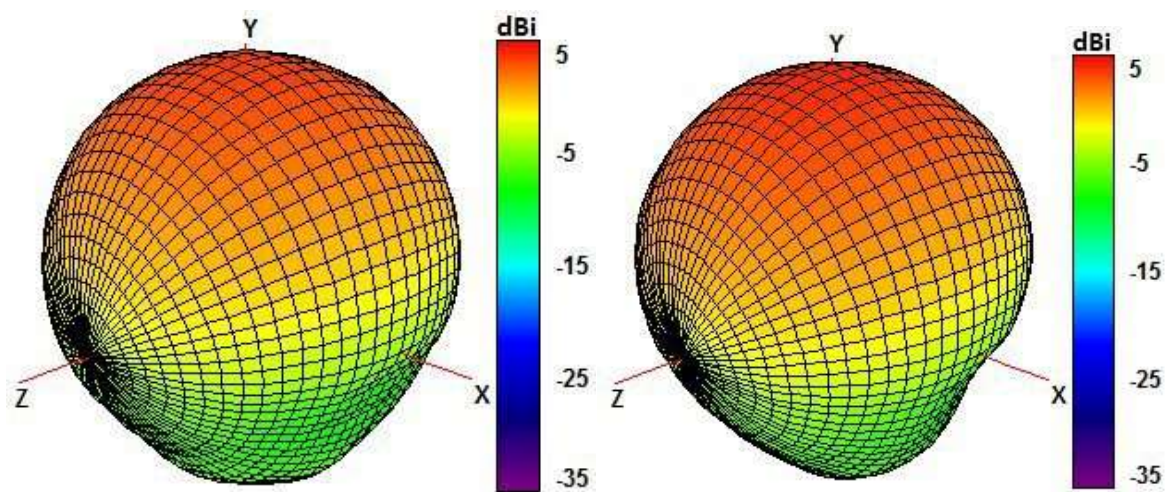


Features

- GPS/GLONASS/QZSS/Galileo frequency range (1575-1606 MHz)
- Magnetic Mount
- Ground plane independent
- Customizable Cable & connector
- IP67, IP69K

Applications

- Vehicle and fleet tracking
- Military & Security
- Asset tracking
- IOT & M2M



1575 MHz and 1602 MHz Radiation pattern

Mechanical specifications

Dimensions are in mm

