



MEA-GGB-CM

GNSS CONNECTOR MOUNT ANTENNA

Part #: 100-00245-01

Description

The MEA-GGB-CM is a multi-frequency, high accuracy, GNSS antenna for the GPS & GLONASS L1 and L2 bands. The antenna's excellent radiation pattern, exceptional out-of-band rejection, and low noise figure ensures optimal performance of GNSS systems. Our low profile connector mount is ideal for robotics, rail, UAV, industrial and IOT applications. This antenna offers a ultra-low profile design with easy mounting.

Electrical Specifications

Parameter	Specification		
Standards	BeiDou	GPS/QZSS/ Galileo	GLONASS
Frequency (MHz)	1561.098	1575.42	1598-1606
Return Loss (dB)	~ -17.2	~ -16.0	~ -15.9
VSWR	~ 1.3:1	~ 1.3:1	~ 1.3:1
Efficiency (%)	~ 70	~ 70	~ 69
Peak Gain (dBi)	~ 2.9	~ 2.8	~ 2.9
Average Gain (dB)	~ -1.5	~ -1.6	~ -1.6
Impedance (Ω)	50		
Polarization	Linear		
Radiation Pattern	Omin-Directional		
Max Input Power (W)	25		
Connector Type	SMA male		

Mechanical and Environmental Specifications

Parameter	Specification
Mounting Type	Connector Mount
Dimensions (mm)	\varnothing 10 x 71
Radome Type	POM
Radome Color	Black
Operating Temperature (C)	-40 to +85°
Storage Temperature (C)	-40 to +85°
Substance Compliance	RoHS



Features

- GPS/GLONASS/BeiDou/QZSS/Galileo frequency coverage
- Easy mounting:
- Connector mount low profile
- High efficiency
- Low profile \varnothing 10 x 71 mm

Applications

- Vehicle and fleet tracking
- Military & security
- Asset tracking
- Embedded applications
- Navigation devices
- Oil & gas industries
- Mining equipment
- LBS & M2M applications
- Law enforcement

Antenna Measurement Conditions:

Mounted on ground plane of 83 x 40 cm
Measured in certified CTIA 3D anechoic chamber

Radiation Performance

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