



## 30 dB Magnet Mount GPS/GLNSS Antenna 1,575-1,615 MHz SMA Connector

### Antennas Technical Data Sheet

### HG-GPSGL30M-SMA

#### Features

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

#### Applications

- Service vehicles
- Public safety
- Public transportation
- Mining & Construction

#### Description

This magnet mount GPS/GLNSS antenna is ideally suited for multipoint mobile and fixed applications including service vehicles, public transportation, public safety, mining and construction vehicles, kiosks, as well numerous other commercial and industrial applications where a compact and rugged GPS/GLNSS antenna is required.

#### Configuration

Design	GPS/GLNSS
Band Type	Single
Cable Type	RG174/U
Cable Length	196.8 in [499.87 cm]
Connector Type	SMA

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.575		1.615	GHz
Output VSWR			2:1	
Impedance		50		Ohms
Gain		30		dB
Noise Figure		2		dB
Out Of Band Rejection			37	dB
Operating DC Voltage	3		5	Volts
Current	8		16	mA

#### Passive Element Specifications

Description	Minimum	Typical	Maximum	Units
Antenna Gain at Zenith(GLNSS)		4.1		dBic
Antenna Gain at Zenith(GPS)		3.6		dBic
Antenna VSWR			2	
Polarization		RHCP		

#### Mechanical Specifications

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [30 dB Magnet Mount GPS/GLNSS Antenna 1,575-1,615 MHz SMA Connector HG-GPSGL30M-SMA](#)



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Mounting Application

Magnet Mount

**Size**

Length

1.9 in [48.26 mm]

Width

1.8 in [45.72 mm]

Height

0.78 in [19.81 mm]

Color

Black

### Environmental Specifications

**Temperature**

Operating Range

-40 to +90 deg C

Humidity

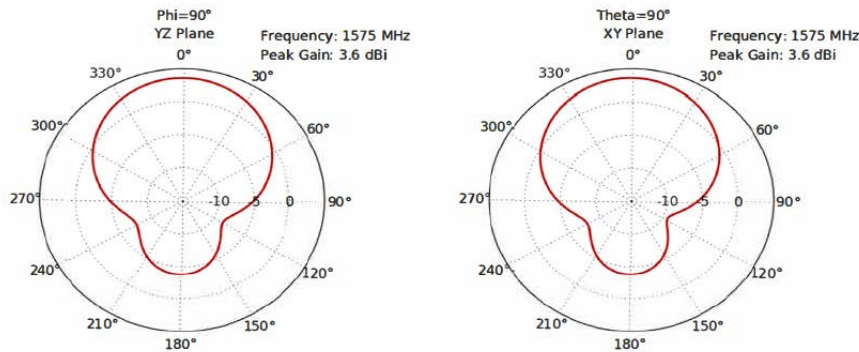
65 ±20% RH

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

### Typical Radiation Pattern



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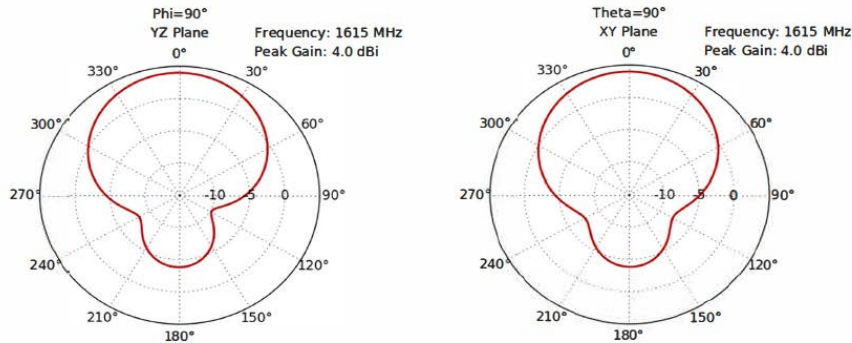
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Our portfolio includes cable assemblies, connectors, adapters and custom products, as well as their wireless product line which includes antennas, RF amplifiers, coaxial lightning and surge protectors, and NEMA rated enclosures.

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URL: <https://www.l-com.com/Undefined URL for PN HG-GPSGL30M-SMA-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

# HG-GPSGL30M-SMA CAD Drawing

## 30 dB Magnet Mount GPS/GLNSS Antenna 1,575-1,615 MHz SMA Connector

