

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



Antennas Technical Data Sheet

PE51GPS1004

Features

- · Low-profile, rugged, compact design
- · High-impact Polycarbonate housing
- UV Stabilized

High-impact Polycarbonate nousi

Applications

- · Service vehicles
- · Public safety

- IP67 Rated
- · High Rejection SAW Filter
- · Low current consumption
- 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 Plug

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		

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 PE51GPS1004

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (868) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



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



Antennas Technical Data Sheet

PE51GPS1004

Mechanical	I Specifications
------------	------------------

Mounting Application Magnet Mount

Size

 Overall 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

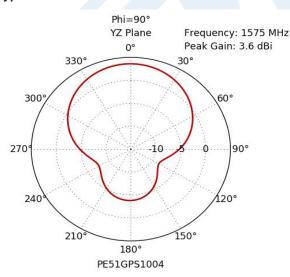
Operating Range -40 to +90 deg C
Humidity 65 ±20% RH
ESD Protection IP67

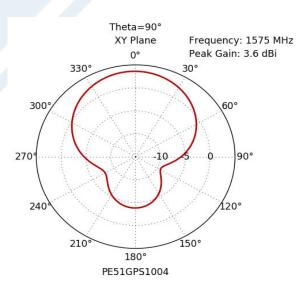
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern





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 PE51GPS1004

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (868) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pastemack.com • Techsupport@Pastemack.com

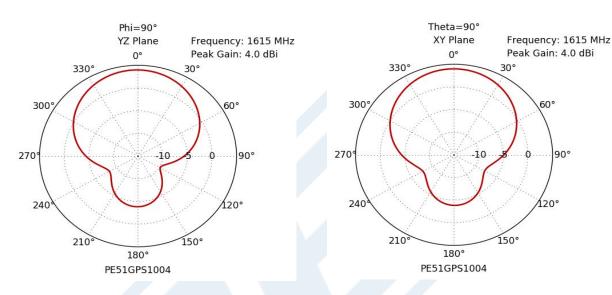


30 dB Magnet Mount GPS/GLNSS Antenna 1,575-1,615 MHz SMA Connector



Antennas Technical Data Sheet

PE51GPS1004



30 dB Magnet Mount GPS/GLNSS Antenna 1,575-1,615 MHz SMA Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 PE51GPS1004

URL: https://www.pasternack.com/single-antenna-1.575-1.615-ghz-30-db-gain-sma-pe51gps1004-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE51GPS1004 CAD Drawing

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

