



## Antennas Technical Data Sheet

### **Features**

- · Low-Profile aesthetics for reduced visibility
- RG58 NMO mount
- UV Stabalized, High Impact Xenoy™ housing
- Integrated GPS/GLNSS Antenna

### **Applications**

- Service Vehicles
- Public Safety

- Rugged aluminum die cast base high strenght mechanical mounting and reliability
- Silicone Rubber gasket and dual O-ring seals for waterproof, high pressure car wash (IP66) applications
- Public Transportation
- Mining & Construction

### Description

This NMO combination mount with an integrated GPS/GLNSS antenna is ideally suited for multipoint mobile applications including service vehicles, public transportation, public safety, mining and construction vehicles, as well numerous other commercial and industrial applications where mobility and wide coverage is desired. The mount allows the user to mount any NMO-mount antenna of choice.

### Configuration

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Design	<b>GPS/GLNSS</b> Vehicular
Band Type	Single
Cable Type	RG58
Cable Length	204 in [518.16 cm]
Connector Type	NMO Mount
Interface 2	SMA Plug
Housing Material and Plating	Black

### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	1,575		1,615	GHz
Input VSWR			2:1	
Output VSWR			2:1	
Impedance		50		Ohms
Gain		28		dB
Input Power			10	Watts
Operating DC Voltage	2.5		5.5	Volts
Current	5		20	mA
Filter Type		SAW		
Attenuation wrt L1 (DC-1.52 GHz)	28			dB
Attenuation wrt L1 (1.66-3 GHz)	30			dB

### **NMO Mount Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Cable Type		RG58		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: NMO Mount Combo 28 dB GPS/GLNSS Vehicular Antenna NMO Mount/SMA Connectors RG58 cable PE51GPS1002

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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### PE51GPS1002





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30 to 100	MHz
50	Ohms
1.5	
2.5	dB
150	W
	50 1.5 2.5

### **Passive Element Specifications**

Description	Minimum	Typical	Maximum	Units
Center Frequency Band		1.5925		GHz
Impedance		50		Ohms
Antenna VSWR			2	
Polarization		RHCP		

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### Mechanical Specifications

Housing Plating/Color Radiator Material Radiator Finish Mounting Application

Size Overall Length Width Height Color



### PE51GPS1002

Black Ceramic Silver Bulkhead ¾ in. Thru-Hole

4.5 in [114.3 mm] 2.2 in [55.88 mm] 0.88 in [22.35 mm] Black

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NMO Mount Combo 28 dB GPS/GLNSS Vehicular Antenna NMO Mount/SMA Connectors RG58 cable 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.

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URL: https://www.pasternack.com/single-antenna-1.575-1.615-ghz-28-db-gain-nmo-mount-pe51gps1002-p.aspx

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# PE51GPS1002 CAD Drawing

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