

GNSS L1/G1/E1 Passive Antenna

DESCRIPTION

The L1G1P is a professional grade, passive GNSS antenna built for long lasting, trouble-free deployment. It is small and lightweight.

FEATURES

- GNSS Bands:
 - GPS L1
 - GLONASS L1
 - GALILEO E1
- Typical Gain of 3dBic
- Easy to install
- RoHs-Compliant (Pb-free)

OPTIONS

The L1G1P comes with many available options to meet specific needs. Please contact GPS Source via phone, email, or visit the website for further information on product options and specifications.



1 L1G1P Specifications

Table 1-1. Electrical Specifications

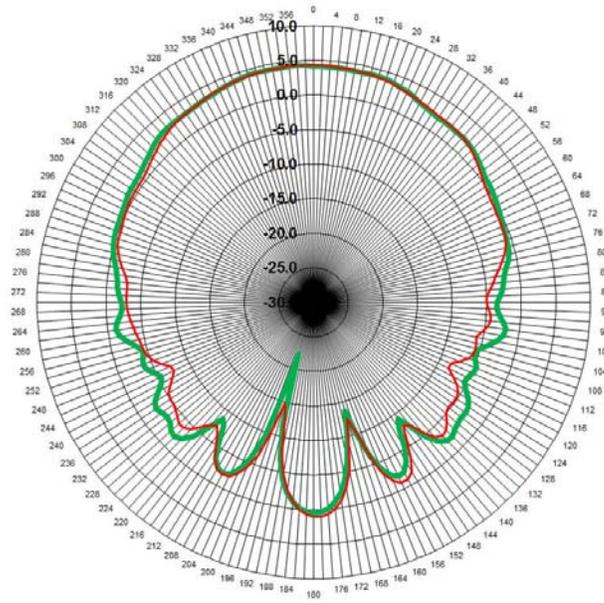
Operating Temperature -54°C to 71°C

Parameter		Conditions	Min	Typ	Max	Units
Frequency Range (Passband)	GPS L1	Ant: Output = 50Ω	1559	1575.42	1610	MHz
	GLONASS L1					
	Galileo E1					
Out Impedance				50		Ω
Element Gain	GPS L1	Output = 50Ω	> +3			dBiC
	GLONASS L1		>+3			
	Galileo E1		> +3			
Output SWR		Output = 50Ω			2:1	—
Polarization		Right Hand Circular				
Axial Ratio at Peak		< 6 dB Max				
Beam Width		75 +/-5° at -3dB from Peak (Free Space)				

2 Performance Data

2.1 L1 Radiation Pattern

Figure 2-1. Measured at 1575 MHz



3 Product Options

Table 3-1. L1G1P Available Options

Available Options		
	Type	Limitations
RF Connector	N Female	N/A
	SMA Female	N/A
	TNC Female	N/A
RF Mounting	PM - L-Bracket Pole Mount Hardware <i>(Pole is not included.)</i>	See Figure 3-1 .
	PL -Pedestal Mount	See Figure 3-2

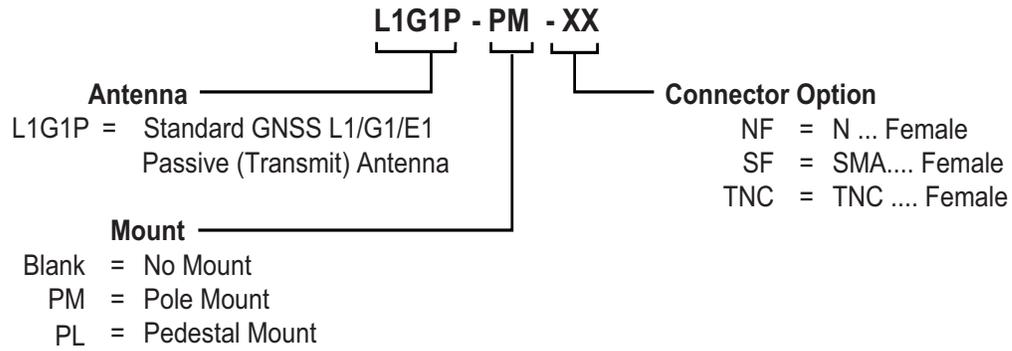
Figure 3-1. (PM) L- Bracket Pole Mount



Figure 3-2. (PL) Pedestal Mount



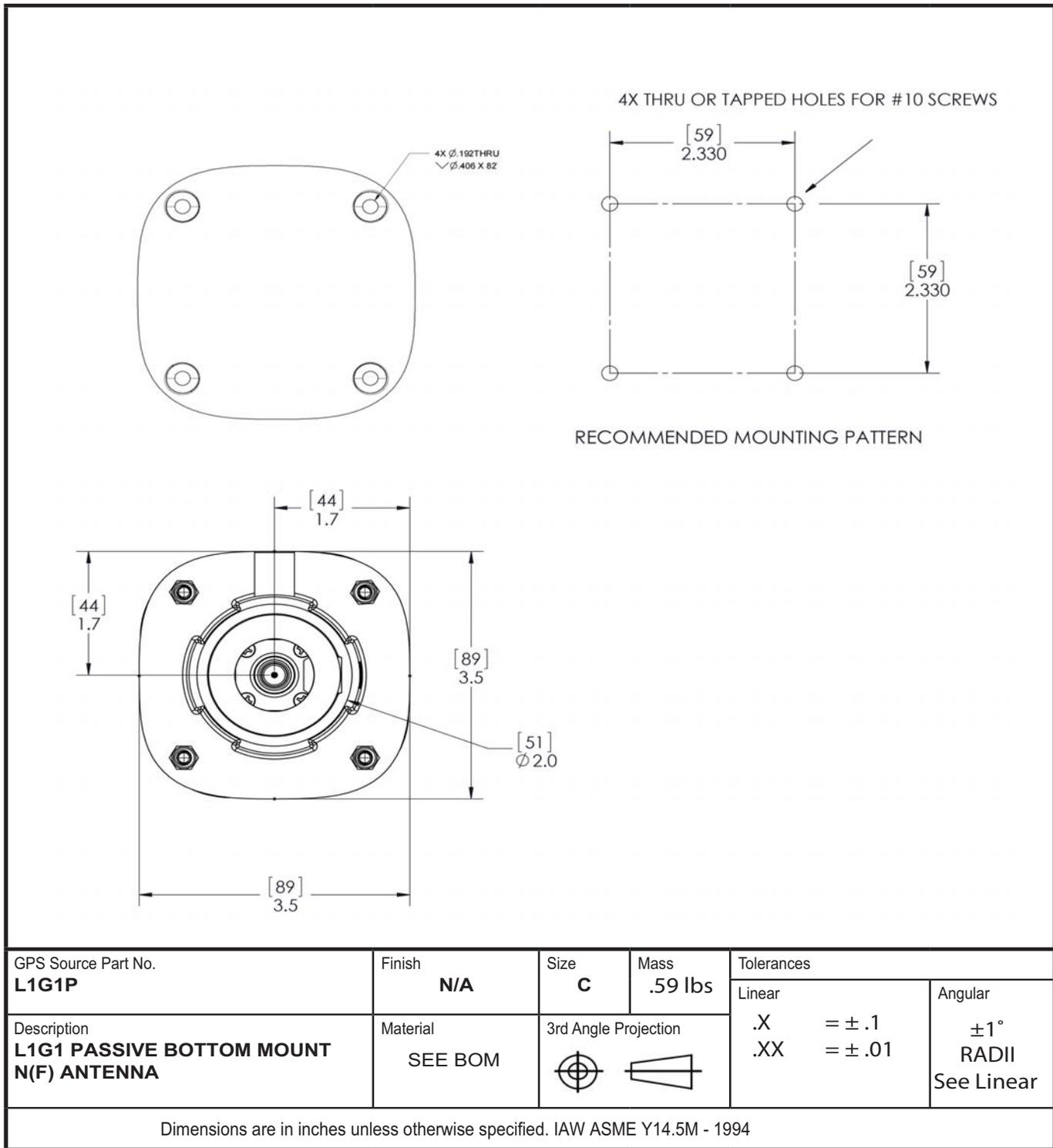
4 Product Code Decoder



Note: Other configurations are available for this GNSS antenna product. This product is only available in black. Contact GPS Source at GPSS-Sales@gd-ms.com or visit the website at www.gpssource.com.

5 Mechanical Drawing

5.1 L1G1P GNSS L1/G1/E1 Passive Antenna



L1G1P DATA SHEET

059-FAN-AKD-AAZ-PYZ-002

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