

GPS Passive Antenna

DESCRIPTION

The L1P is a passive L1 GPS antenna suited for many applications.

FEATURES

- Excellent Typical Gain of 3dBiC
- Bottom Mount
- Multiple Connector Options

OPTIONS

The L1P 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 L1P Specifications

Table 1-1. Electrical Specifications

Operating Temperature -40°C to 85°C

Parameter	Conditions	Min	Typ	Max	Units
Frequency Range (Passband)	Ant: Output = 50Ω	1560	1575	1590	MHz
Out Impedance			50		Ω
Gain	Output = 50Ω	2.5	2.8	3	dBiC
Output SWR	Output = 50Ω			2.5:1	—
Polarization	Right Hand Circular				
Shock	40G				
Vibration	6G(RMS) 50kHz to 2kHz				

2 Performance Data

2.1 Far Field Patterns — 1575MHz

Figure 2-1. Far Field Plots Rotating Linear

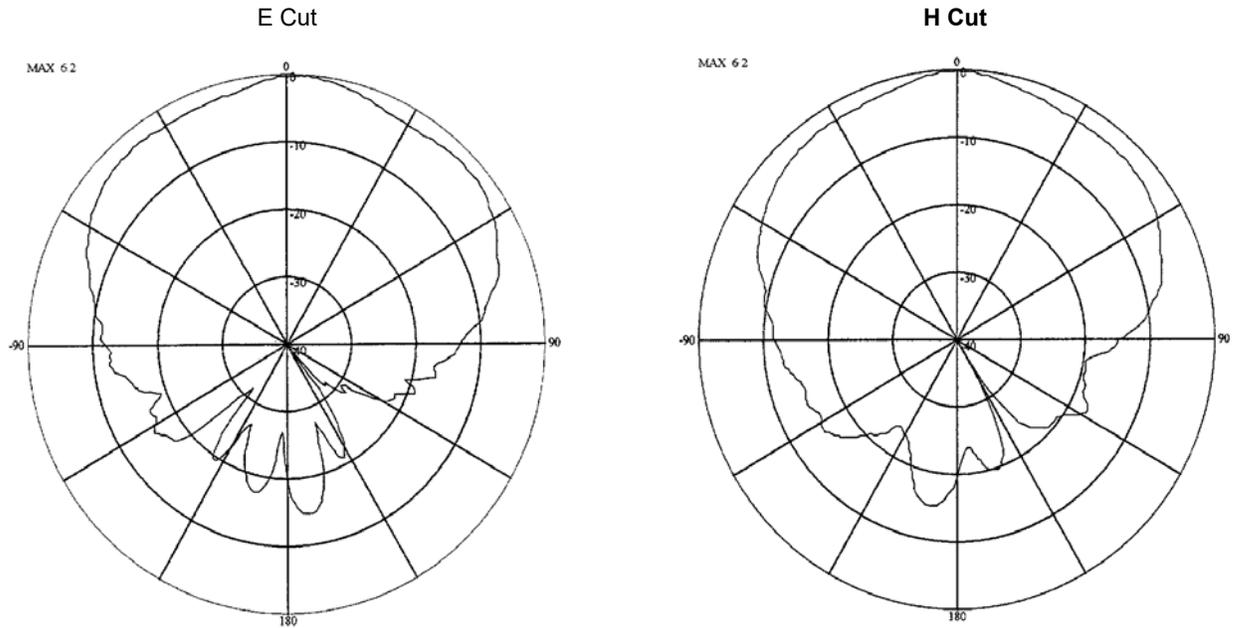
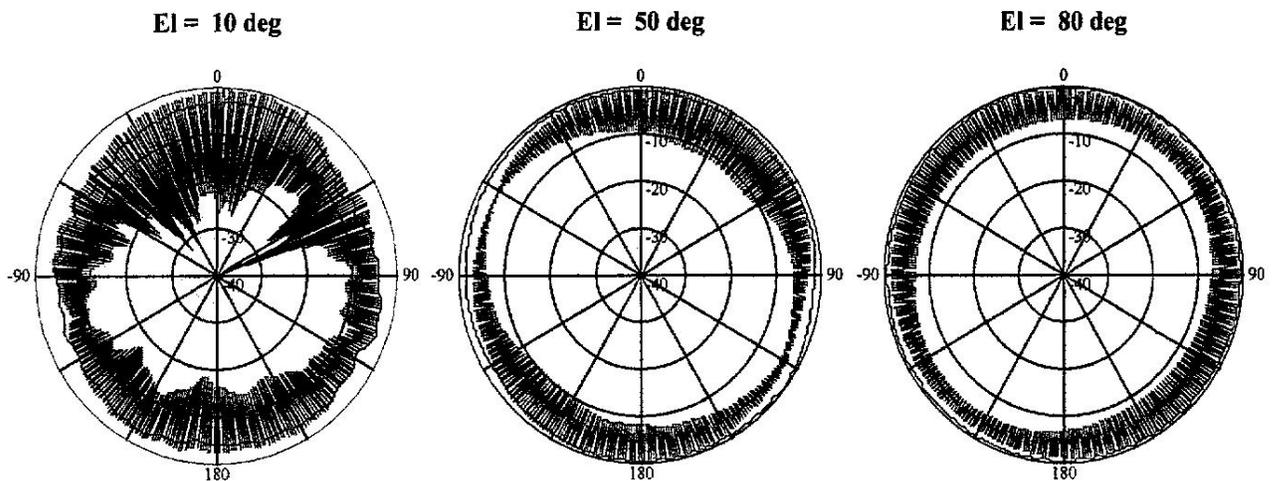


Figure 2-2. Far Field Plots Azimuth Cuts

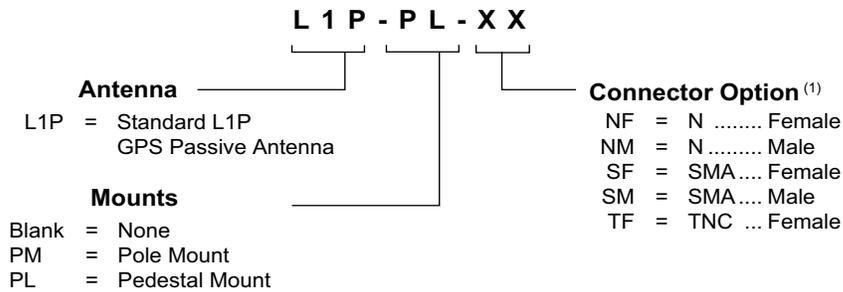


3 Product Options

Table 3-1. L1P Available Options

Available Options			
RF Connector	Type		Limitations
	N	Male and Female	N/A
	SMA	Male and Female	N/A
	TNC	Female	N/A

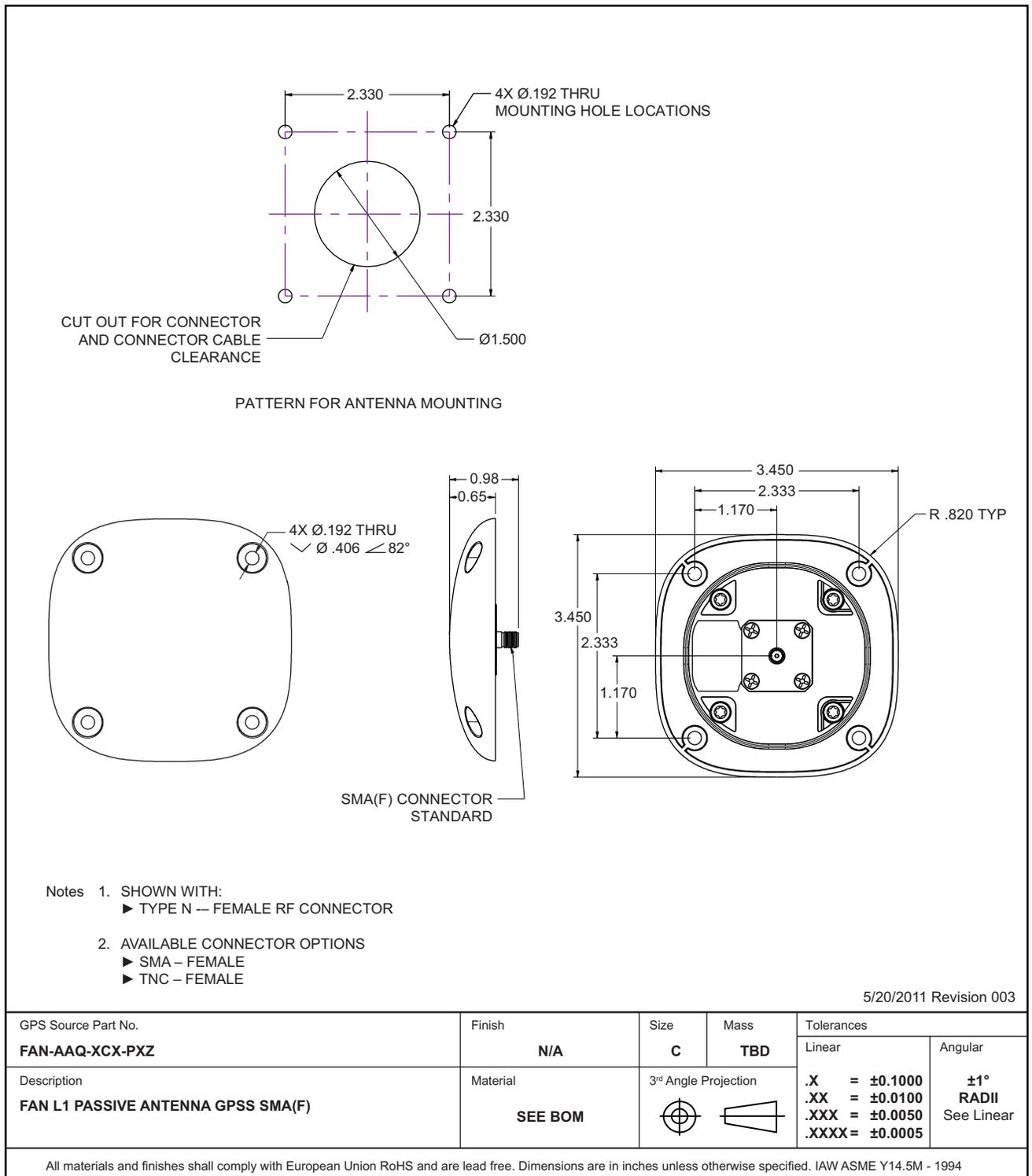
4 Product Code Decoder



- Notes:
1. Contact GPS Source for additional connector options.
 2. This product is only available in black.
 3. To have product/part codes customized to meet exact needs, contact GPS Source at GPSS-Sales@gpssource.com or visit the website at www.gpssource.com.

5 Mechanical Drawing

5.1 L1P GPS Passive Antenna



L1P Data Sheet

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