



PRODUCT DESCRIPTION/TITLE

The Laird GPSU1575P or Mini GPS is a rugged, high performance, and cost effective solution for most GPS or asset tracking applications. The small form factor makes it easy to install on or in vehicles or buildings. It is designed to withstand impact as well as water and dust intrusion (IP67 rated). The antenna can be configured with different cable types, in varying lengths and with various connector types.

Laird has a full line of high performance, cost effective GPS antennas for any telematics or GPS application.

FEATURES AND BENEFITS

- High performance in a small form factor
- IP67 rated for use in highly demanding environments and operating conditions
- Rugged impact resistant housing
- Various connector options

MARKETS

- Fleet and logistics management
- General automotive aftermarket
- Highway construction
- Land Surveying and management
- Asset visibility and tracking
- Warehouse management

SPECIFICATIONS

Frequency Center	1575.42 MHz +/-3 MHz
Gain	28 dBi Typical 32dB (Max)
Polarization	RHCP
Output Impedance	50 Ohms
VSWR	2.0:1
Input Power	-30 dBm
Noise Figure	1.5 dB Max (@2.5~5 Vdc, 1575.42 MHz)
Supply Voltage	2.5 ~ 5 Vdc
Current Max	15 mA
Diameter	1.91"x0.67"
Radome Material	Lexan PC Impact UV Stabilized
Operating Temperature	-35°C to +75°C
Ingress Protection	IP - 67
Mounting method	Aluminum Stud & Base M12 X 1.5 Thread, stainless steel Lock Washer and Heavy Duty Nut.
Bandwidth	±2.0 [1573.42 – 1577.42 MHz]
Intersection Loss BW	3.5 dB Max
Attenuation Absolute Value	45 dB min. @ 1475.42 MHz 25 dB min. @ 1525.42 MHz 18 dB min. @ 1625.42 MHz

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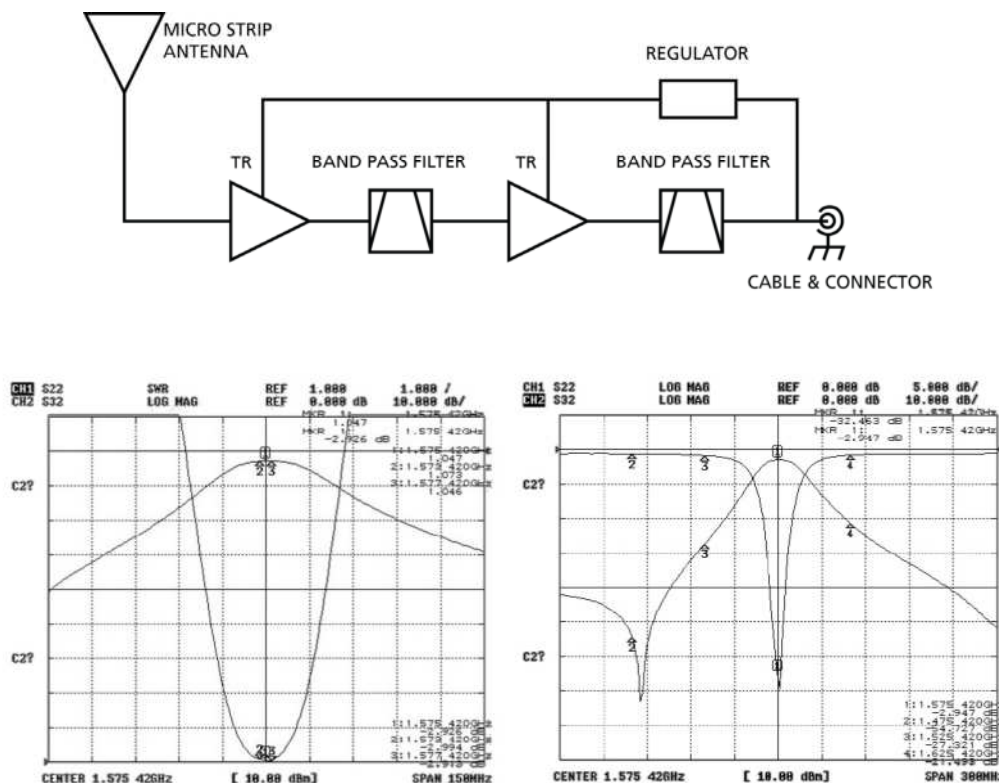
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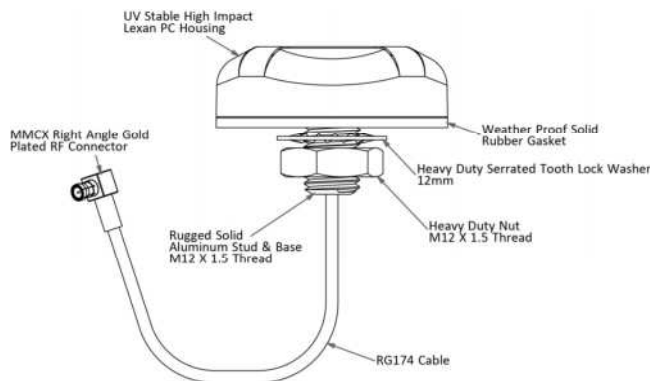
Asset Tracking External Antenna

Mini GPS



ORDERING INFORMATION

GPS1575SP26-004	6.89" (175 mm) RG174 w/ RA MMCX
GPS1575SP26-005	6.89" (175 mm) RG174 w/ MCXM
GPS1575SP-300SMAM	3m RG174 with straight SMAM



IAS-DS-GPS1575 1017

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