



# GPS/GLONASS High Performance Asset Tracking & Time Sync Micro Helix Antenna

PCTEL's GEO-GNSS-PS-S1 is a robust, passive, high performance antenna covering both GPS L1 and GLONASS L1 frequency bands. This antenna is ideal for performance in critical asset tracking and network timing synchronization applications.

## Features

- GPS L1 & GLONASS L1 Frequencies
- Custom-Tuned Micro Helix Element
- IP67\* Ingress Protection
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## Applications

- Defense Radio Communications
- Handheld Devices
- Body Worn Asset Tracking
- Public Safety Emergency Responders
- Network Synchronization



**GEO-GNSS-PS-S1**

## STANDARD CONFIGURATION

Model	Connector	Mount	Radome
GEO-GNSS-PS-S1	SMA Male	Direct Mount	Black ASA

## ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

Frequency Range	Gain	VSWR	Nominal Impedance	Polarization
1574-1610 MHz	1.5 dBic @ GPS L1 -2 dBic @ GLONASS L1	≤ 2.0:1 (typical) 2.5:1 (maximum)	50 ohms	Right hand circular

## MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Ingress Protection	Temperature Range
0.800" Dia x 3.35" H (20.3 x 85.1 mm)	1.23 oz (35 g)	IP67*	-40°C to +85°C operating

\*When installed according to the manufacturer's installation instructions.