

GPS/GLONASS, Passive 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 critical asset tracking and network timing synchronization applications.



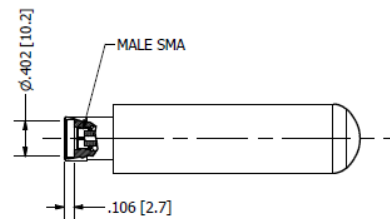
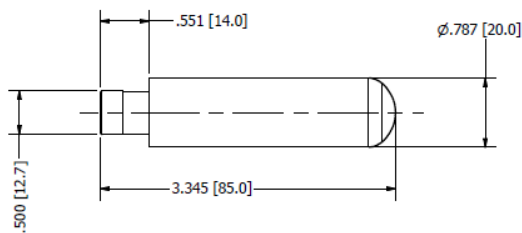
GEO-GNSS-PS-S1

Applications

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

Features

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



Antenna Element Electrical Specifications

Part Number	Frequency Band	Nominal Gain	Polarization	Nominal Impedance	VSWR
GEO-GNSS-PS-S1	1574-1610 MHz	1.5 dBic @ GPS L1 -2 dBic @ GLONASS L1	Right Hand Circular	50 ohms	≤2.0:1 (typ) 2.5:1 (max)

Mechanical Specifications

Antenna Dimensions (dia x mount height)	Weight	Radome Material	Connector	Mounting Method
0.787 x 3.345 inches (20 x 85 mm)	1.23 oz (35 g)	CHIMEI PW-978B	SMA Male	Direct Mount

Environmental Specifications

Temperature Range	Ingress Protection
-40° C to +85° C operating	IP67*

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



CompoTEK

