

Very Low Noise Mobile GPS Antenna



The 3910D GPS antenna has one of the industry's lowest noise figures. It features ESD circuit protection, an innovative very low noise LNA and a high rejection SAW filter. It also features a precisely tuned custom ceramic patch element that minimizes detuning effects caused by adjacent objects. The 3910D is ideal for Fleet Management, Asset Tracking and Precision Agriculture as well any application with poor signal reception area.

The 3910D provides consistent, clear GPS signal reception while minimizing loss-of-lock in high-RF fields. Housed in a weatherproof magnetic or screw mount enclosure, the 3910D GPS antenna is ideal for demanding vehicle mounted GPS applications.



3910D

Features

- Low noise: 0.5 dB
- Low current: 8mA
- Wide voltage input range (2.7 - 5 VDC)
- Robust IP67 housing built for various weather conditions

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
3910D	9.8' (3 meters) highly flexible 174 sized cable	Male SMA standard*	Magnetic (5 lb lift-off force) or permanent (pre-threaded for 3 x M2.5 screws)

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

Frequency Range	LNA Gain	Element Gain	Polarization
1575.42 ± 10 MHz	28 dB @ 3.3 VDC	3 dBic @ 90° -2 dBic @ 20°	Right hand circular

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

Out of Band Rejection	Current Draw	DC Voltage	Noise Figure
> 30 dB @ ± 30 MHz	8 mA @ 3.3 V	2.7-5 VDC	0.5 dB (typical)

MECHANICAL SPECIFICATIONS

Dimensions	Weight	Housing Material
2.05" L x 2.33" W x 0.54" H (52.1 x 59.2 x 13.6 mm)	0.29 lbs (130 g)	ASA

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	ESD Circuit Protection	Ingress Protection
-40°C to +85°C operating	15 KV	IP67

* For other connector options, please refer to the GPS Mobile Antenna Configurator Part Number Guide.