

Value Mobile GPS Antenna



The 3917D GPS antenna is a high performance antenna with a wide voltage range, ideally suited for vehicular telematics applications. Using internal magnets or screw mount holes, the antenna offers greater installation flexibility for vehicle rooftop locations. The 3917D antenna features 30 dB gain low noise amplifier and a SAW filter. Featuring 2.7 to 5 volt operation, the antenna can be used with the vast majority of GPS L1 systems available.



3917D

Features

- Voltage range 2.7-5 V
- LNA 30 dB gain typical
- Low noise figure 1.5 dB

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
3917D	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	Out of Band Rejection
1575.42 ± 10 MHz	30 dB	3 dBic @ 90° -2 dBic @ 20°	Right hand circular	> 30 dB @ ± 30 MHz

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

Current Draw	DC Voltage	Noise Figure
8.3 mA	2.7-5 VDC	1.5 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)	0.26 lbs (120 g)	ASA

ENVIRONMENTAL SPECIFICATIONS

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

* Consult PCTEL Customer Service for other connector options.