



Value Mobile GPS Antenna

The 3917D GPS antenna is a high performance value antenna with a wide voltage range, ideally suited to telematics platforms for use in vehicle-mounted applications. Using internal magnets or screw mount holes, the antenna can be installed almost anywhere on a vehicle allowing for greater flexibility. The 3917D antenna features 28 dB gain low noise amplifier and a SAW filter. With 2.7 to 5 volt operation, the antenna can be used with the vast majority of GPS systems available



3917D

Features

- Voltage range 2.7-5 V
- LNA 28 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	@ 3.3 VDC: 28 dB @ 5 VDC: 30 dB	3 dBic @ 90° -2 dBic @ 20°	Right hand circular	> 30 dB @ ± 40 MHz

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

Current Draw	DC Voltage	Noise Figure
<20mA @ 3.3v <35mA @ 5.0v	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.