



Low Power GPS Antenna with Dual High Rejection SAW Filters

The 3915D-HR Very Low Power High Rejection GPS Antenna has one of the industry's lowest power consumption and best out-of-band filter performance. The 3915D-HR features ESD circuit protection, an innovative very low power two-stage low noise amplifier and dual high rejection SAW filters. It also features a custom designed ceramic patch element that minimizes detuning effects caused by adjacent objects. The 3915D-HR 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 3915D-HR is ideal for most demanding, power critical GPS applications.



3915D-HR

Features

- High rejection dual SAW filters allows placement near other transmitting antennas
- Low current: 1.3 mA @ 3.3V
- 20 dB gain
- Wide voltage input range (2.7 - 5 VDC)
- Robust IP67 housing built for various weather conditions

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
3915D-HR	16.4' (5 meters) highly flexible 174 sized cable	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	20 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
> 50 dBc @ ± 40 MHz	1.3 mA @ 3.3 V 2 mA @ 5 V	2.7-5 VDC	3.6 dBi

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

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

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