

## GA-0030 – High Performance

### GPS Active Antenna

#### Overview

Built-in SAW filter and high gain LNA, GA-0030 is a high performance, low power, variable bias voltage, GPS active antenna. It's an ideal companion to GPS receivers.

#### Applications

- Automatic vehicle location
- Fleet management
- Electronic-mapping application
- Security system

#### Features

- Compact
- Low power consumption
- Variable bias voltages
- High gain, low noise
- Variable cable length and connectors are available
- Water-resistance

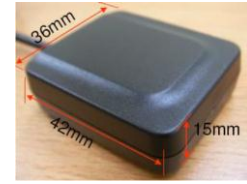
#### Technical Specifications

Working Voltage	2.8 ~ 3.6 V
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#### Antenna Performance Data

##### Ceramic Patch

Size	25mm*25mm*4mm
Center Frequency	1575.42±3 MHz
Bandwidth	10 MHz min
Impedence	50 ohm
Peak Gain	4.5 dBic Typical
Test Ground Size	70mm*70mm
Polarization	R.H.C.P.



#### LNA/Filter

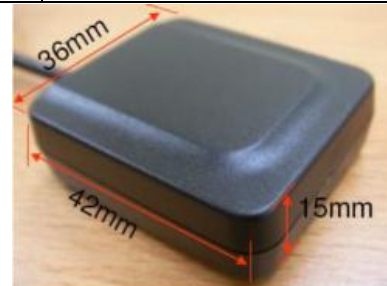
Gain	18 dB Typical
Noise Figure	1.5 dB Typical
Output VSWR	2.0 Max
Voltage	2.8 ~ 3.6 V Typical
Current	5 mA @ 3.0V Typical

#### Environmental Data

Operating temperature	-30 ~ 80°C
Storage temperature	-30 ~ 80°C
Vibration	10Hz to 50Hz, 1g

#### Mechanical Data

Dimension	42 (L) x 36 (W) x 15 (H) mm
Cable Type	RG174/U
Cable Length	1500mm+/-20mm (default)
RF Connector	180° MCX (default)



180° MCX

