

GA-0040 – High Performance

GPS Active Antenna

Overview

Built-in SAW filter and high gain LNA, GA-0040 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

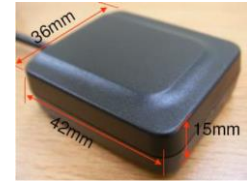
Technical Specifications

Working Voltage	2.8 ~ 3.6 V
-----------------	-------------

Antenna Performance Data

Ceramic Patch

Size	25mm*25mm*4mm
Center Frequency	1575.42±1.023 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

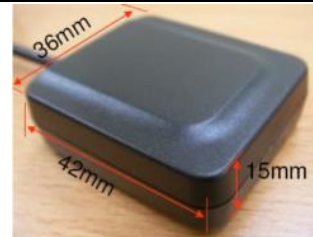
Gain	28 dB Typical
Noise Figure	1.5 dB Typical
Output VSWR	2.0 Max
Voltage	2.8 ~ 3.6 V Typical
Current	8.5 mA @ 3.0V Typical

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	1.5m, 3m (default), 5m, 10m, etc. (±30mm)
RF Connector	180° MCX (default), SMA, MCX, MMCX, SMB, GT5 etc



180° MCX

