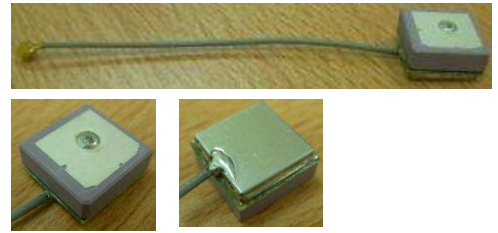


RoHS
Compliant



GA-105D – Tiny

GPS Active Antenna Module

Overview

Built-in SAW filter and high gain LNA, GA-105D is a tiny, low power, variable bias voltage, high performance GPS active antenna module. It measures just 13(L) x 13 (W) x 6 (H) mm. Bias voltage range is 2.5V~5V. It is an ideal companion to GPS engine boards for GPS phone and navigator applications.

Applications

- GPS phone
- Navigator
- Handheld devices

Features

- Tiny
- Low power consumption
- Variable bias voltages
- High gain, low noise

Technical Specifications

Working voltage	2.5 ~ 5 V
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Antenna Performance Data

Ceramic Patch

Size	12.8 mm*12.8 mm*4 mm
Operating Frequency	1575.42±1.023 MHz
Bandwidth	6 MHz min. @S11≤-10 dB
Gain at Zenith	-0.05 dBic
Ground size	30 mm*30 mm
Polarization	R.H.C.P.
Axial Ratio	≤ 3.0 dB

LNA/Filter

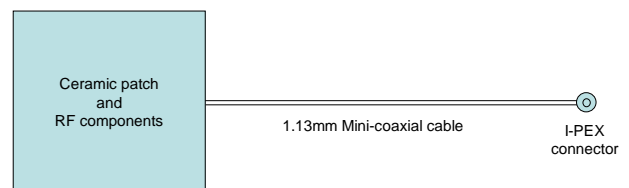
Operating Frequency	1575.42±1.023 MHz
Gain	25 dB Typical
Noise Figure	1.5 dB Typical
Output VSWR	2.0 Max
Voltage	3.3 V Typical
Current	3.3 V: 6 mA Typical

Mechanical Data

Mini-coaxial cable length	10 cm
Connector	Female I-PEX

Dimension

GA-105D	13x13x6 mm ³
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*This document is subject to change without notice.