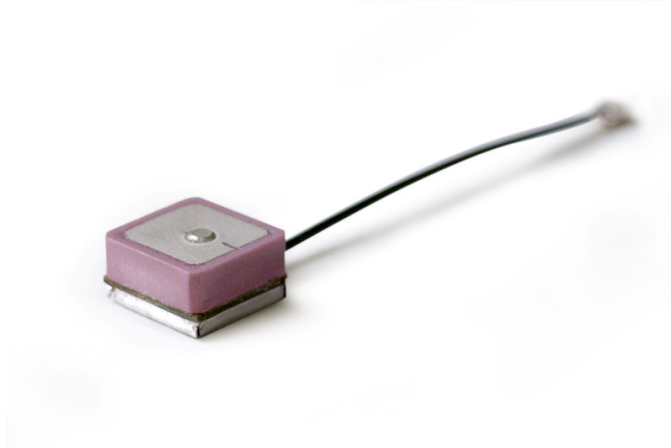


# GPS Antenna Module

## Model: D-12J

The Smallest GPS Module



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### Introduction

D-12J is a most compact GPS antenna module in the market. It's specially designed for the portable device that needs GPS antenna embedded such as PND, laptop, mobile phone and so on. Also, D-12J is compatible with most GPS receives available on the market and provides a perfect alternative for the application of the GPS in different fields.

### Features

1. Ideally for embedded applications such as PDA, PND or laptop.
2. High temperature stability
3. High sensitivity
4. Low current consumption

### Applications

1. AVL
2. Car Navigation
3. PDA, PND, Handheld GPS device
4. Security Surveillance
5. Vehicle tracking

## Specification

Physical Condition	
Dimension	12mm (L) x 12mm (W) x 6.5mm (H)
Weight	5 ± 0.5 grams
Environmental Conditions	
Operation temperature	-40°C to +85°C
Storage temperature	-50°C to +95°C
Relative Humidity	10% to 95%
Electrical Specifications	
Input voltage	DC 2.8V~3.7V
Power consumption	6.5mA @ 3V DC
Patch Antenna	
Center Frequency	1575.42 ± 3 MHz
Polarization	RHCP
Antenna Gain	1dBic @ Zenith
LNA	
Amplifier Gain	25dB Typical
Noise Figure	1.5 dB Typical
Output Impedance	50 ohm
Output VSWR	2.0 Typical
Total Specifications(Through Antenna, LNA, Cable and Connector)	
Frequency range	1575.42 ± 1.023 MHz
Gain	25 dB
Output Impedance	50 ohm
VSWR	2.0 max.
Cable	OD1.13
Connector	IPEX

\* This specification is subject to change without prior notice

**Data Updated:** Nov 01, 2007