

## D-12 “GPS Antenna Module”

- ❑ Ideally for embedded applications such as PDA, PND or laptop
- ❑ High temperature stability
- ❑ High sensitivity
- ❑ Low current consumption



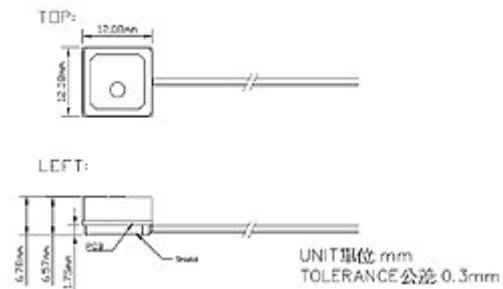
### ***Description:***

The D-12 is the most compact GPS antenna module on the market

It is specially designed for the portable device that needs a embedded GPS antenna

The D-12 is also compatible with most GPS receivers available on the market

It provides a perfect alternative for the application of GPS in different fields



### ***Applications:***

- AVL / Fleet Management System
- Car navigation
- Vehicle tracking
- Security Surveillance
- External Antenna for Handheld GPS

# Datasheet D-12 Antenna Module

Output Impedance 50Ω  
Output VSWR 2.0 typ.

## **Mechanical Data:**

Size in mm (LxWxH) 12x12x8  
Weight 5.5 +/- 0.5 grams  
Cabel 5cm OD1.13  
Connector U.FL

## **Environmental Conditions:**

Operating Temp. -40°C ~ + 85°C  
Storage Temp. -50°C ~ + 85°C  
Relative Humidity 10 to 95%

## **Patch Antenna:**

Center Frequency 1575.42 +/- 3 MHz  
Band Width 5 MHz min.  
Polarization R.H.C.P  
Peak Gain 0.0 sBi @ zenith

## **Electrical Specification**

Input Voltage +2.8 ~+ 3.3 V DC  
Power Consumption 3.8 @ 3.0 V DC

## **Low Noise Amplifier:**

Amplifier Gain 17 dB min  
Noise Figure 1.3 dB typical

## **Total Specification:**

(through Antenna element, LNA & Coax cable)  
Center Frequency 1575.42 +/- 1.023 MHz  
Gain 16 dB min  
Output Impedance 50Ω  
VSWR 2.0 max

## **Contact us:**

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