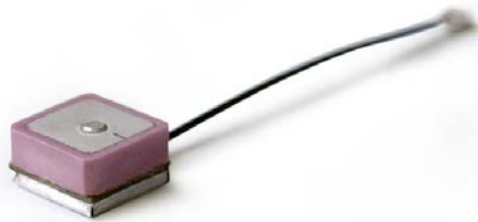




GPS Antenna Module

Model: D-12

The Smallest GPS Module in the world



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Introduction:

D-12 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-12 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:

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

Applications:

- AVL
- Car Navigation
- PDA, PND, Handheld GPS device
- Security Surveillance
- Vehicle tracking

Specification:

Physical Condition	
Dimension	12mm (L) x 12mm (W) x 8mm (H)
Weight	5 ± 0.5 grams
Environmental Conditions	
Operation temperature	-40°C to +85°C
Storage temperature	-50°C to +85°C
Relative Humidity	10% to 95%
Electrical Specifications	
Input voltage	2.8~3.3V DC
Power consumption	3.8mA @3.0V DC
Patch Antenna	
Center Frequency	1575.42 ± 3 MHz
Bandwidth	5 MHz min.
Polarization	RHCP
Peak Gain	0.0dBi min/ 1575MHz
LNA	
Amplifier Gain	17dB Typical
Noise Figure	1.3 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	16 dB
Output Impedance	50 ohm
VSWR	2.0 max.
Cable	5cm OD1.13
Connector	U.FL

(*PS: The specification is subject to change without prior notice)