

D-10 “GPS Antenna Module”

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



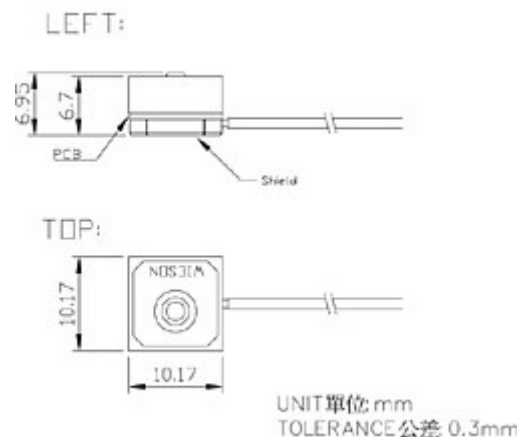
Description:

The D-10 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-10 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-10 Antenna Module

Mechanical Data:

Size in mm (LxWxH)	10x10x6.25
Weight	2.6 +/- 0.5 grams
Cabel	5cm OD1.13
Connector	IPEX

Environmental Conditions:

Operating Temp.	-40°C ~ + 85°C
Storage Temp.	-50°C ~ + 95°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	1.5 dB typical
Output Impedance	50Ω
Output VSWR	2.0 max

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:

TecSys GmbH

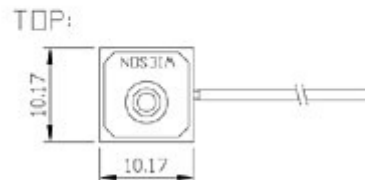
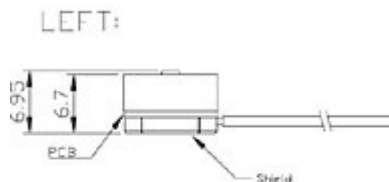
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UNIT單位: mm
TOLERANCE公差: 0.3mm