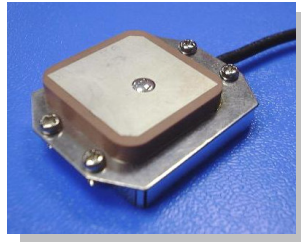
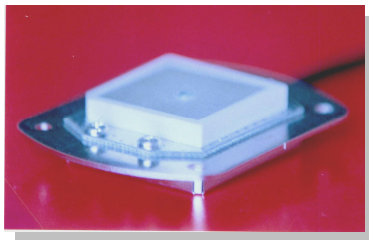
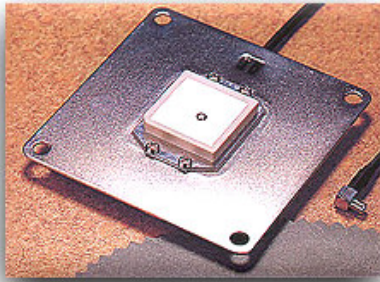


# GPS Antenna Module

## Model: PA-50A/B/C

**Compact & Sensitive GPS Antenna module ideal for receivers built in with amplifiers and filters**



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### Introduction:

PA Series is the passive GPS antenna module designed for embedded applications. In any power-critical applications, it helps to enhance the performance of your GPS receiver through its excellent signal gain of +5 dBi at 90-degree elevation and -1 dBi at 10-degree elevation without any power consumption. With its compact construction & high compatibility, it offers you with easy integration, mounting and high temperature stability as well.

### Features:

- No Power Consumption
- Excellent Signal Amplification
- Compact Construction
- Excellent Temperature Stability

### Applications:

- Embedded GPS Antenna for AVL, Fleet Management Systems, Car Navigation, Marine Navigation, Hand-held GPS

### Specification:

Physical Condition	
Dimension	PA-50A: 76mm (L) x 76mm (W) x 12mm (D) PA-50B: 52mm (L) x 42mm (W) x 10.3mm (D) PA-50C: 38mm (L) x 29mm (W) x 10.9mm (D)
Weight	PA-50A: 60 grams (w/o cable & connector) PA-50B: 45 grams (w/o cable & connector) PA-50C: 20 grams (w/o cable & connector)
Shielding	All circuits are shielded with metal frame to avoid interference
Cable & Connector	
RF Cable:	standard RG-174 cable with a maximum length of 3 meters
Pulling Strength:	6 Kg./5 sec. with molded plastics on connector end for strain relief
Connector Available:	BNC, TNC, FME (to be adapted), GT5, MCX (OSX), SMA, SMB or SMC in straight or right angle type
Optional Adapters:	FME~MCX, FME~BNC, FME~SMA, FME~SMB, FME~TNC
Antenna Element	
Center Frequency:	1575.42 MHz +/- 1.023 MHz
Gain:	17 dB
Band Width:	2 MHz
Noise Figure:	1.3 dB typically
Supply Voltage:	2.5 ~3.3 V DC
Current Consumption:	4.5 ~ 8.0 mA
Output Impedance:	50 ohm
Environmental conditions	
Operating Temperature:	-40°C~+85°C
Storage Temperature:	-50°C~+90°C
Relative Humidity:	95% non-condensing

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