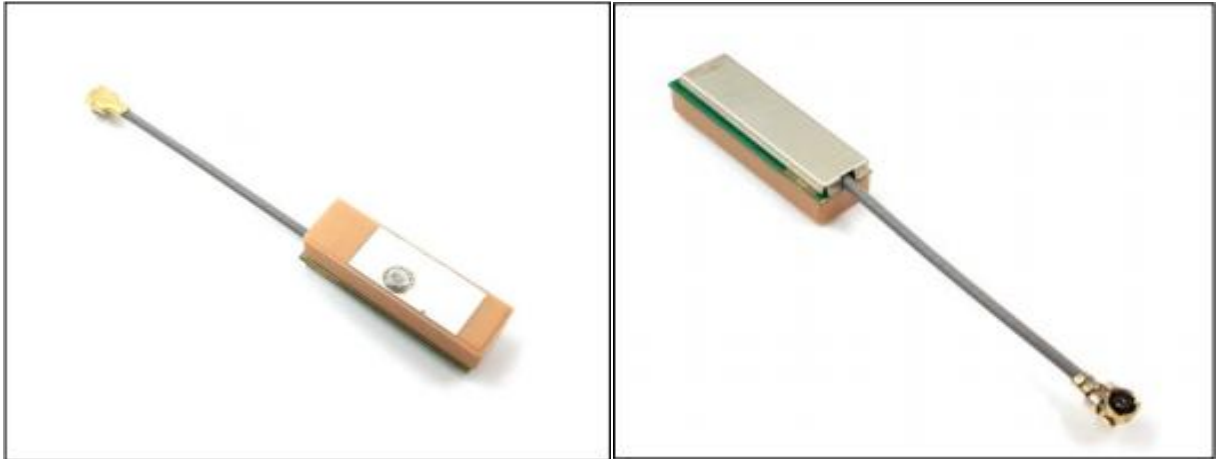




# GLOBAL EAST ASIA TECHNOLOGY CO.,LIMITED

GPS internal Antenna

Part No: GL0616060001



## 1. Features

Low current, low voltage

Low Noise figure

## 2. Application

It is used for GPS navigation, monitoring terminal products receiving signals

## 3. Mechanical Data

3.1 Dimensions: 20X6X7mm

3.2 Weight:  $9 \pm 0.5$ g

3.3 Radome: ---

3.4 Cable: RG1.13 or RG1.37

3.5 Connector: UFL

## 4. Environment

### 4.1 Work Environment

Temperature: -40 to +85 °C

Humidity: 10 to 95%RH

### 4.2 Storage Temperature

Temperature: -40 to +90°C

Humidity: 10 to 95%RH

## 5. Electronic Performance

\*All projects testing should be under temperature  $25 \pm 15$  °C, humidity  $65 \pm 20$ %RH、Input power  $1 \mu$ w、air pressure  $960 \pm 100$ HPA

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## 5.1 Dielectric Antenna

Item	Index
Frequency Range	1610±1.023MHz(Under the _ case _ of _ antenna housing and good grounding)
Bandwidth(10dB return loss)	10MHz typical
Gain	3.0 dBic at Zenith
	- 2 dBic at10°elevation
Polarization	R.H.C.P
Axial Ratio	3.0 dB typical
Dimensions	20X6X7mm

## 5.2 LNA

Item	Index
Frequency Range	1610±1.023MHz
Gain	16 dB min at 3V
Noise Figure	0 . 9dB at 3V
Voltage	DC = 3.0±0.5V
Current	DC =12mA at 3V