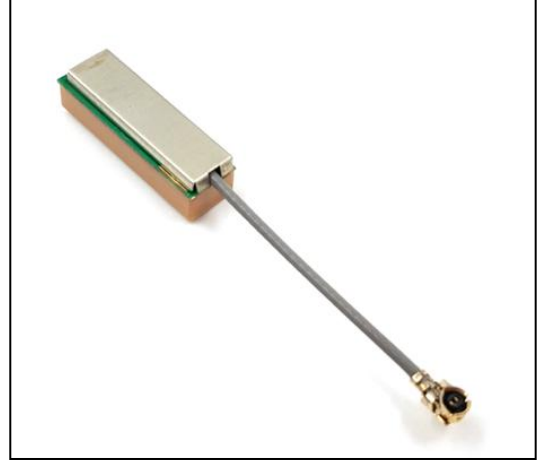


GLOBAL EAST ASIA TECHNOLOGY CO., LTD

GPS internal Antenna

Part No: GL061606000



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: 16X6X7mm

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3.2 Weight: $9\pm 0.5\text{g}$

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 $25\pm 15^\circ\text{C}$, humidity

$65\pm 20\%RH$ 、Input power $1\mu\text{w}$ 、air pressure $960\pm 100\text{HPA}$

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5.1 Dielectric Antenna

Item	Index
Frequency Range	1575.42±1.023MHz(Under the case of antenna housing and good grounding)
Bandwidth(10dB return loss)	10MHz typical
Gain	3.5 dBic at Zenith
	- 2 dBic at 10° elevation
Polarization	R.H.C.H
Axial Ratio	3.0 dB typical
Dimensions	16X6X7mm

5.2 LNA

Item	Index
Frequency Range	1575.42±1.023MHz
Gain	28 dB min at 3V
Noise Figure	0.9dB at 3V
Voltage	DC = 3.0±0.5V
Current	DC = 10mA at 3V