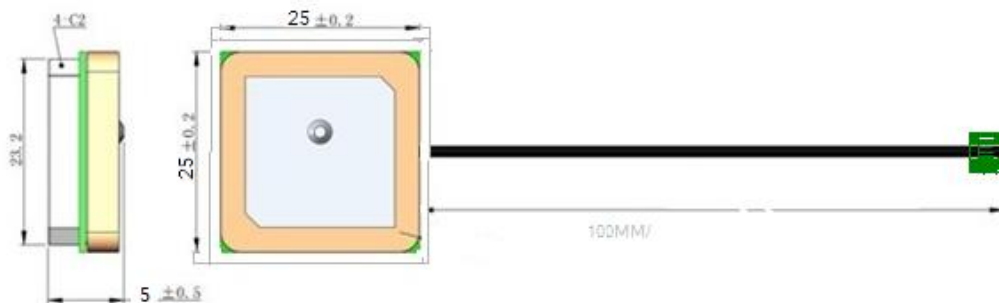
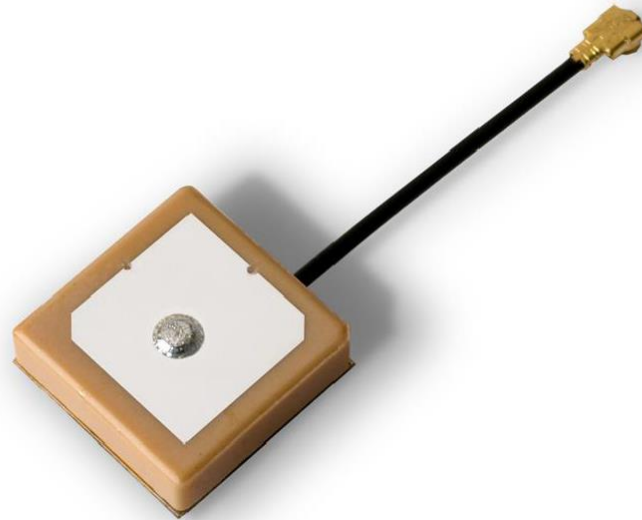


# GPS GLONASS Active Antenna Specification

( Model NO.: RY-GPS/GLON-04B)



## ( I ) Product Overview

### (i) Dielectric Antenna

Center Frequency (MHz): 1575.42/1602

VSWR: 1.5:1

Bandwidth (MHz):  $\pm 5$

Impedance ( $\Omega$ ): 50

Peak Gain  $> 3$  dBi Based on 7cm $\times$ 7cm ground plane

Gain Coverage  $> -4$  dBi at  $-90^\circ < \theta < +90^\circ$  (over 75% Volume)

Polarization: RHCP

### (ii) LNA/Filter

LNA Gain (Without cable) : 28 dBi Typical  
 Noise Figure (dB) : 1.5  
 Filter Out Band Attenuation (f0=1575.42 MHz)  
 7dB Min f0+/-20MHz ;  
 20dB Min f0+/-50MHz;  
 30dB Min f0+/-100MHz  
 VSWR <2.0

DC Voltage (V) : 2.7/3.0/3.3/3.0 to 5.0 etc.

DC Current (mA) : 10 Max

(iii) **Mechanical**

Size (mm): 25\*25\*5

Cable Length (mm): 100mm 1.13mm RF cable

Connector: IPEX.

(iv) **Environmental**

Working Temp: -40°C~+85°C

Storage Temp: -45°C~+85°C

Vibration: Sine sweep 1g(0-p)10~50~10Hz each axis

