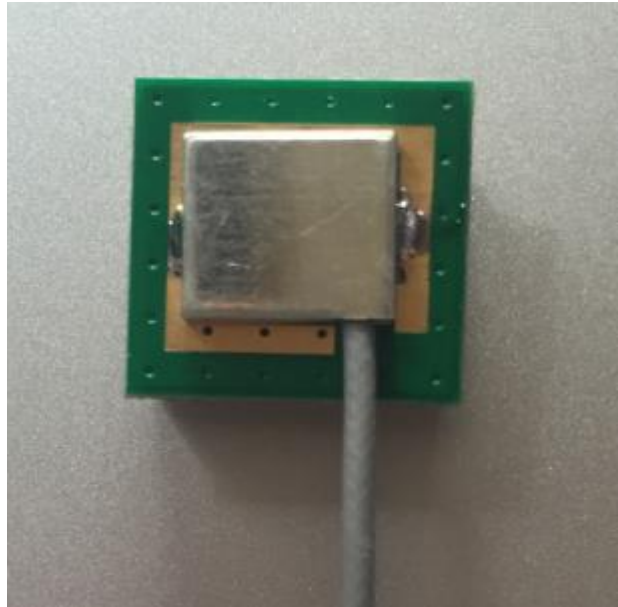
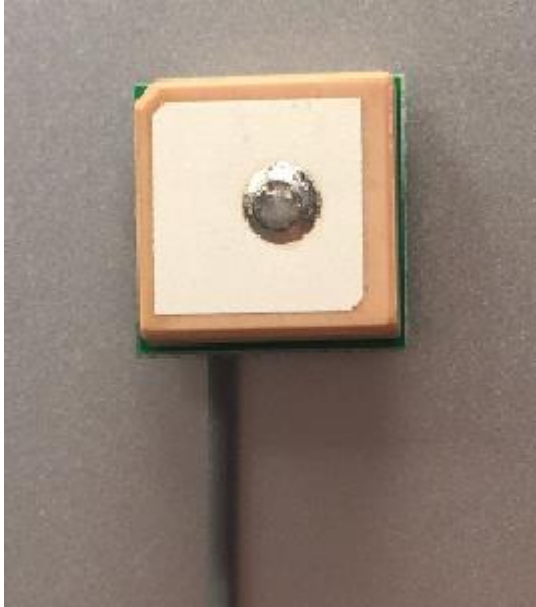


GPS GLONASS Internal Antenna Specification

(Model NO: RY-GPS-13-12-B)



(I) Product Overview

(i) Dielectric Antenna

Center Frequency (MHz) : 1575.42/1602

VSWR: 1.5:1

Bandwidth (MHz) : ± 5

Impedance (Ω) : 50

Peak Gain >3dBi Based on 7cmx7cm ground plane

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

Polarization: RHCP

(ii) LNA/Filter

LNA Gain(Without Cable): 18+/-2dBi

Noise Figure (dB) : 1.5

Filter Out Band Attenuation ($f_0=1575.42$ MHz)

7dB Min $f_0 \pm 20$ MHz ;

20dB Min $f_0 \pm 50$ MHz;

30dB Min $f_0 \pm 100$ MHz

VSWR <2.0

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

DC Current (mA) : 16Max

(iii) Mechanical

Weight (gram) <50

Size (mm) : 13x13X 6.8

Cable Length (cm) : 5-20 Connector: IPEX, UFL etc.

