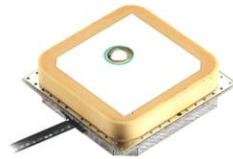
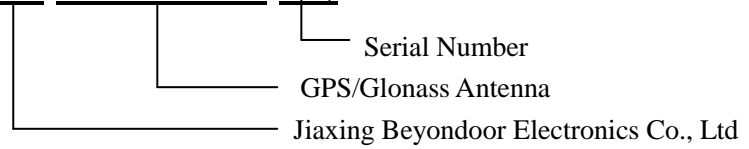


# GPS/Glonass Antenna Specification

( Model: BY-GPS/Glonass-02 )



## ( I ) Product Overview

### ( i ) Dielectric Antenna

Frequency ( MHz ) : 1575/1602

Center Frequency ( MHz ) : 1590

VSWR : 1.5:1

Bandwidth ( MHz ) :  $\pm 5$

Impedance (  $\Omega$  ) : 50

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

Gain Coverage > -4dBi at  $-90^\circ < 0 < +90^\circ$  (over 75% Volume)

Polarization : RHCP

### ( ii ) LNA/Filter

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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 ) : 2.7/3.0/3.3/5.0/ 3.0 to 5.0 etc.

DC Current ( mA ) : 11Max

( iii ) **Mechanical**

Weight ( gram ) : < 60

Size ( mm ) : 27×27 X 8.2

Cable Length ( cm ) : 5-20

Connector : SMA/SMB/SMC/BNC/FME/TNC/MCX /MMCX etc.

( iv ) **Environmental**

Working Temp : -40°C~+85°C

Storage Temp : -45°C~+100°C

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

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