GPS/Glonass Antenna Specification
(Model: BY-GPS/Glonass-02)

(1) Product Overview

(i) Dielectric Antenna

Frequency (MHz): 1575/1602

Center Frequency (MHz): 1590

VSWR: 1.5:1

Bandwidth (MHz): ±5

Impedance (Ω): 50

Peak Gain > 3dBi Based on 7cm×7cm ground plane

Gain Coverage > -4dBi at -90° < 0 < +90° (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=1595 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