

## Product Description

### Model: BY-GPS/Glonass-07

#### (i) Dielectric Antenna

Frequency ( MHz ) : 1575/1602

Center Frequency ( MHz ) : 1590

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  $-90^\circ < 0 < + 90^\circ$  (over 75% Volume)

Polarization : RHCP

#### (ii) LNA/Filter

LNA Gain (Without cable) : 28 dBi Typical

Noise Figure (dB) : 1.5

Filter Out Band Attenuation ( $f_0=1575.42$  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) : 2.7/3.0/3.3/3.0 to 5.0 etc.

DC Current (mA) : 11 Max

#### (iii) Mechanical

Weight (gram)  $< 100$

Size (mm) : 37.2 $\times$ 34 $\times$ 11

Cable Length (m) : 2,3 etc.

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

Mounting : Magnetic base

Housing : Black

#### (iv) Environmental

Working Temp :  $-40^\circ\text{C} \sim +85^\circ\text{C}$

Storage Temp :  $-45^\circ\text{C} \sim +100^\circ\text{C}$

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

Humidity : Humidity 95%~100%RH

Weatherproof : 100% Waterproof

