

Model: ANT-GPS/Glonass-07

(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 \times 7cm ground plane

Gain Coverage > -4dBi 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