



GPS/Glonass Antenna Specification

(Model: SPK-GGSANT-098)



Model: SPK-GGSANT-098

- **Antenna**
 - Frequency (MHz) : 1575/1602
 - Center Frequency (MHz) : 1590
 - VSWR: 1.5:1
 - Bandwidth (MHz) : ± 5
 - Impedance (Ω) : 50
 - Polarization: Linear
 - Pattern: Omni-Directional
- **(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 to 5.0
 - DC Current (mA) : 10 Max
- **(iii) Mechanical**
 - Weight (gram) <30
 - Antenna Length (mm) : 62
 - Max diameter (mm) : 14
 - Min diameter (mm) : 10



- Connector: SMA male
- 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 $1\text{g}(0\text{-p})10\sim50\sim10\text{Hz}$ each axis
- Humidity: Humidity $95\%\sim100\%\text{RH}$
- Weatherproof: 100%Waterproof

Directional Diagram

