
GPS/Glonass Antenna Specification

(I) Product Overview

(i) Dielectric Antenna

Center Frequency (MHz): 1575/1602

VSWR: 1.5:1

Bandwidth (MHz): ± 5

Impedance (Ω): 50

Peak Gain >3dBi Based on 7cmx7cm 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): 2.0

Filter Out Band Attenuation ($f_0=1575.42$ MHz) :40dB Min 1592+/-130MHz ;

VSWR <2.0

DC Voltage (V): 2.7 to 5.5v

DC Current (mA): 15Max

(iii) Mechanical

Weight (gram): <60

Size (mm): 27x27 X 4.7

Cable Length (cm): 5

Connector: IPEX

(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

