

GPS Antenna Specification

(Model NO.: RY-GPS-07)



(I) Product Overview

(i) Dielectric Antenna

Center Frequency (MHz) : 1575.42±3

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=1575.42 MHz)

7dB Min f0+/-20MHz;

20dB Min f0+/-50MHz;

30dB Min f0+/-100MHz

VSWR <2.0

DC Voltage (V) : 2.7/3.0/3.3/3.0 to 5.0 etc.

DC Current (mA) : 11 Max

(iii) Mechanical

Weight (gram) <100

Size (mm) : 37×34×11

Cable Length (m) : 2,3 etc.

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

Mounting: Magnetic/Adhesive

Housing: Black

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

Humidity: Humidity95%~100%RH

Weatherproof : 100%Waterproof

