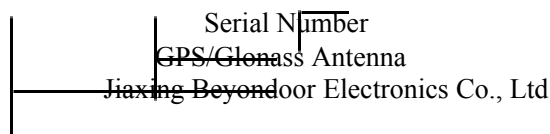


GPS/Glonass Antenna Specification

(Model: **BY-GPS/Glonass-03**)



(I) Product Overview

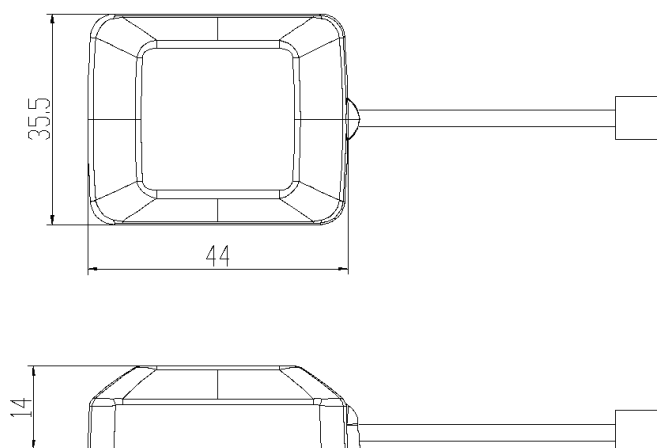
Dielectric Antenna
Center Frequency(MHz) : 1575/1602
VSWR: 1.5:1
Bandwidth(MHz) : ± 5
Impedance(Ω) : 50
Peak Gain >3dBi Based on 7cm $\times$ 7cm ground plane
Gain Coverage >-4dBi at $-90^\circ < 0 < +90^\circ$ (over 75% Volume)
Polarization: RHCP

(ii) LNA/Filter

LNA Gain (Without cable) : 28 dBi Typical
Noise Figure(dB) : 2.0
Filter Out Band Attenuation ($f_0=1575.42$ MHz) : 40dB Min 1592 $\pm$ 130MHz ;
VSWR <2.0
DC Voltage(V) : 2.7 to 5.5v
DC Current(mA) : 15Max

(iii) Mechanical

Weight(gram) < 110
Size(mm) : 44.0 $\times$ 35.5 $\times$ 14.0
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°C~+85°C

Storage Temp: -45°C~+100°C

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

Humidity: Humidity95%~100%RH

Weatherproof: 100%Waterproof