

GPS and Glonass Combination Antenna



Model No. : GPS/Glonass-02

Brand Name : Beyondoor

Country of Origin : China

Product Description

Model: BY-GPS/Glonass-02

(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) : 2.7/3.0/3.3/5.0/ 3.0 to 5.0 etc.

DC Current (mA) : 11Max

(iii) Mechanical

Weight (gram) < 60

Size (mm) : 27 \times 27 X 8.2

Cable Length (cm) : 5-20

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

(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