

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

DC Current (mA) : 11 Max

**(iii) Mechanical**

Weight (gram) < 60

Size (mm) : 27×27×8.2

Cable Length (cm) : 5-20

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

**(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

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**Product Image**



**PART NUMBER: BY-GPS-02**