

BY-GPS-02

GPS Antenna Specification



Product Overview

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

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.

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

Environmental

Working Temp:-40°C~+85°C

Storage Temp:-45°C~+100°C

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