

BY-GPS-08

GPS Antenna



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 $-90^\circ < \theta < +90^\circ$ (over 75%
Volume)

Polarization: RHCP

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

DC Current (mA) : 11 Max

Mechanical

Weight (gram) : <100

Size (mm) : 34 × 29.8 × 13

Cable Length (m) : 2,3 etc.

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

Mounting: Magnetic base Housing: Black

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

Humidity:

Humidity 95%~100%RH

Weatherproof : 100% Waterproof