

Mini GPS Active Antenna



Product Description

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) : 10 Max

Mechanical

Weight (gram) <100

Size (mm) : 37.2×34×11

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°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