

Model: ANT-GPS-10x10

(i) Dielectric Antenna

Center Frequency (MHz) : 1575.42±3

VSWR: 1.5:1

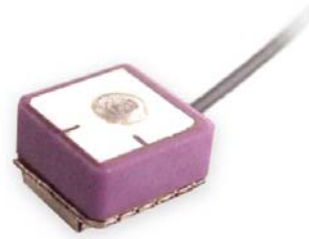
Bandwidth (MHz) : ±5

Impedance (Ω) : 50

Peak Gain >3dBi Based on 7cm×7cm ground plane

Gain Coverage >-4dBi at $-90^\circ < 0 < +90^\circ$ (over 75% Volume)

Polarization: RHCP



(ii) LNA/Filter

LNA Gain(Without Cable): 18 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) : 8 Max

(iii) Mechanical

Weight (gram) <50

Size (mm) : 10×10×6.8

Cable Length (cm) : 5-20

Connector: IPEX/H.FL/SMA/SMB/SMC/MCX/MMCX etc.