

BY-GPS-12

GPS Antenna Specification



Product Specifications

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

Mechanical

Weight (gram): <50

Size (mm) : 12×12X 4.8 or 12x12x6.8

Cable Length (cm) : 5-20

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

LNA/Filter

LNA Gain(Without Cable): 18 dBi Typical

Noise Figure (dB) : 1.5

VSWR: <2.0

DC Voltage (V) : 2.7/3.0/3.3/5.0/ 3.0 to 5.0 etc.

DC Current (mA) : 5Max

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

