

BY-GPS-03

GPS Antenna Specification



Product Specifications

Dielectric Antenna

Center Frequency: 1575.42±3MHz

VSWR: 1.5:1

Bandwidth: ±5MHz

Impedance: 50Ω

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

Gain Coverage: -4dBi at -90° < 0 < +90° (over 75% Volume)

Polarization: RHCP

LNA/Filter

LNA Gain (Without cable): 28 dBi Typical

Noise Figure: 1.5dB

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

DC Current: 11mA Max

Mechanical & Environmental Specifications

Mechanical

Weight; 110g

Size: 44.0mm × 35.5mm × 14.0mm

Cable Length: 2,3m etc.

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

Mounting: Magnetic

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: Humidity 95%~100%RH

Weatherproof: 100%Waterproof



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