

BY-GPS-09

Rugged GPS Active Shark-fin Antenna



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 $-90^{\circ} < \theta < +90^{\circ}$ (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: 2.7/3.0/3.3/5.0/3.0 to 5.0 etc.

Mechanical & Environmental Specifications

Mechanical

Weight: 110g

Size: 84mm × 53.8mm × 62mm

Cable Length: 2,3m etc.

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

Mounting: Magnetic

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

Waterproof: 100%Waterproof

