

GPS+GLONASS Active Antenna

Part No:AC-GPS/GLONASS-03

1. Introduction

AC-GPS/GLONASS-03 is a dual-band antenna covering both GPS and GLONASS frequencies. Its proprietary filtering design allows wide band coverage while achieving superior out-of-band rejection.

This antenna comes in an all-plastic ,non-corrosive,non-corrosive low profile package for vehicle mounting or fixed installations.This antenna is ideal for any global GPS/GLONASS tracking or time synchronization application that requires an externally mounted antenna.



2. Specification

Electrical

Dielectric Antenna	Frequency	1575MHz/1602MHz
	Center Frequency	1590MHz
	V.S.W.R	<1.5
	Band width	±3 MHz
	Impedence	50Ω
	Peak Gain	5dBic Min/1575MHz 4dBic Min/1602~1616MHz
	Gain Coverage	≥- 4dBic at -90°~90°(over75% volume)
	Polarization	RHCP
LNA	LNA Gain(Without cable)	28dB Typical
	Noise Figure	1.5dB
	Filter Out Band Attenuation	12dB Min f0+50MHz 16dB Min f0-50MHz
	V.S.W.R	<2.0
	DC Voltage	2.7V/3.0V/3.3V/5.0V/3.0V to 5.0V/other
	DC current	11mA Max

Mechanical

Weight	<100g
Antenna Dimension	45x38x10.5mm
Cable	RG174
Length	3M
Connector	SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX or other
Mount way	Magnetic/Adhesive
Housing	Black

Environmental

Operating Temperature	-40℃~+80℃
Storage Temp.	-45℃~+100℃
Vibration	Sine sweep 1g(0-p)10~50~10Hz each axis
Humidity	Humidity95%~100%RH
Weatherproof	IP66
Antenna Radome Material	ABS
RoHS Compliant	YES