

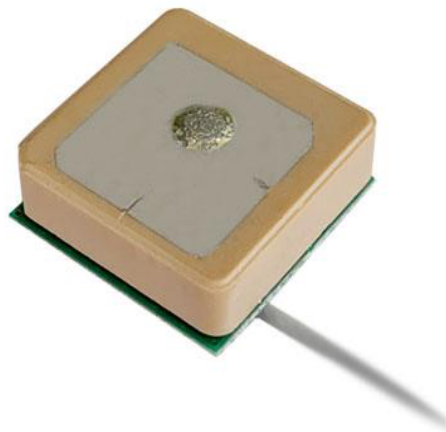
GPS Active Internal Ceramic Patch Antenna 12x12x7mm

Part No:AC-GPS-N127

1. Introduction

Light weight, low profile, easy to assemble and hide the high gain LNA is made of low noise microwave components to ensure the sensibility of the system.

This GPS antenna is ideal for GPS enabled ruggedized PDAs, laptops and portable GPS Handhelds. It features a compact ceramic patch element, ESD circuit protection, a low noise amplifier and a SAW filter, enabling the antenna to provide great out-of-band signal rejection performance, consistent and clear signal while minimizing loss-of-lock in an extremely small form factor.



2. Specification

Electrical

Antenna	Frequency Range	1575.42MHz±3MHz
	Gain	-3.0dB typ @13mmx13mm groundplane
	Polarization Type	RHCP
	V.S.W.R	<2.0
	Impedance	50Ω
	Dimensions	12x12x7mm
LNA	Frequency Range	1575.42MHz±3MHz
	LNA Gain	15±3dB(without cable @25°C±10°C)
	Noise Figure	1.5MAX
	DC Voltage	3.0±0.5V
	DC current	5-15mA
	V.S.W.R	<2.0

Mechanical

Mechanical	Cable	1.13
	Length	100mm
	Connector	U.FL
Environmental	Antenna Radome Material	Ceramics
	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 75%
	Weight	8g
	RoHS Compliant	YES