



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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#### Key Features

- 18dB pre-amplifier
- Internally mounted
- UFL connector
- Ground plane independent
- RoHS compliant

#### General Description

Siretta GPS embedded patch antennas combine excellent performance characteristics at a low operating voltage in a small sized format making it an ideal antenna where power consumption and board space is a key factor.

With a built in LNA giving 18dB gain from just 10mA current consumption it operates between 2.5 – 3.5V DC. Combined with an exceptionally small size of just 13.4mm x 13.4mm x 6mm it is ideally suited to low power, small sized applications and where it is being used with GPS modules with a built in pre amplifier circuit.

#### Additional Considerations

- Ideal for GPS receivers with built in LNA
- Designed for embedded applications with small footprint
- Compatible with many GPS engine manufacturers equipment
- Can be mounted on any surface
- Meets all EU compliance criteria for electronic goods

Rev 1.0

### Key Specifications - Electrical

Temperature range:	-20 to +65°C
Impedance:	30 ohm
VSWR:	1.5:1
Voltage and supply current:	2.5 - 3.5V ( $\pm$ 0.3V) 10mA typical
Centre frequency:	1575.42MHz
Polarization:	RHCP

### Key Specifications - Mechanical

Dimensions:	13.4mm x 13.44mm x 8mm (without cable and connector)
Cable:	100mm x 1.13mm coax
Connector:	UFL
Mounting method:	Designed for embedded use

### Ordering Details

Part Number	Description
ECHO5/0.1M/UFL/3	GPS Active Patch Antenna, 100mm Cable, UFL Connector