



#### 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