

## 2. Technical Specifications

### 2.1. Electrical Characteristics

	Items	Description
<b>Chipset</b>	GSP3F	SiRF StarIII technology
<b>General</b>	Frequency	L1, 1575.42 MHz
	C/A code	1.023 MHz chip rate
	Channels	20
<b>Accuracy</b>	Position	10 meters, 2D RMS
		5 meters 2D RMS, WAAS corrected
		<5meters(50%), DGPS corrected
	Velocity	0.1 meters/second
	Time	1 microsecond synchronized to GPS time
<b>Datum</b>	Default	WGS-84
	Other	selectable for other Datum
<b>Acquisition Rate (Open Sky &amp; Stationary Requirements)</b>	Reacquisition	0.1 sec., average
	Snap start	1 sec., average
	Hot start	8 sec., average
	Warm start	38 sec., average
	Cold start	42 sec., average
<b>Dynamic Conditions</b>	Altitude	18,000 meters (60,000 feet) max.
	Velocity	515 meters/second (1000 knots) max.
	Acceleration	4g, max.
	Jerk	20 meters/second <sup>3</sup> , max.
<b>Power</b>	Main power input	5V DC input.
	Power consumption	0.38 W (continuous mode)
	Supply Current	75mA
	Backup power	3 V Lithium-Ion rechargeable battery
<b>Dimension</b>	43mm L x 42mm W x 13mm H	
<b>Weight</b>	23g	

### 2.2 LED INDICATOR

LED flashing 0.25Hz	Signal Searching
LED flashing 1Hz	Position Fixed