



General usage	
Features	- GPS-oriented
Temperature	- Operating : -40 ~ 85°C - Storage : -40 ~ 85°C
Size	- Dimension: 13 x 15.2 x 2.2mm
Weight	≤ 3.5g
Voltage Type	- 3.3V±5%
RoHS	- Supported
I/O pin	- 22pin stamp holes
Hardware Specification	
Chipset	- SiRF Star III, GSC3f/LPx (Digital, RF in a single package) The single chip solution is offered as a 140-pin (7 mm x 10 mm) BGA with integrated digital and RF sections.
Frequency	- L1, 1,575.42 MHz
Channel	- 20 parallel
C/A Code	- 1,023 MHz
Chipset Fix time	- Hot start: 35 sec @ open sky (avg.) - Warm start: 35 sec @ open sky (avg.) - Cold start: 1 sec @ open sky (avg.)
Accuracy	- Position: within 10m for 90% - Velocity: 0.1m/s
Interface Protocol	- 1. NMEA 0183 ver 3.0, GGA, GSA, GSV, RMC, 4800bps - 2. SiRF Protocol 57600bps, 8 data bits, no parity, 1 stop bits
LNA	- N/A
Internal Memory	- Flash type on 4Mb
TCXO	- 16.369MHz
Trickle Power Mode	- Duty cycle ≤ 34%. (Variable) Default: disable (option: enable)
DGPS	- WAAS, EGNOS, MSAS
Dynamics	
Altitude	- 18,000 meter maximum
Velocity	- 514 meter/second maximum

Power	
Voltages	- 3.3V±5%
System Currents	Typ.38mA, Max.42mA@3.3V (Avg Acquisition w/o ext. Antenna) Typ.35mA@3.3V (Avg Tracking w/o ext. Antenna)