



## **EM-408 GPS Modules** **NEW!**

### ▶ **Specification**

**Chipset** SiRF Star III

**Frequency** L1, 1575.42 MHz

**C/A code** 1.023 MHz chip rate

**Channels** 20 channel all-in-view tracking

**Sensitivity** -159 dBm

**Accuracy Position** 10 meters, 2D RMS

5 meters, 2D RMS, WAAS enabled

**Velocity** 0.1 m/s

**Time** 1us synchronized to GPS time

**Datum Default** WGS-84

**Acquisition Time**

**Reacquisition** 0.1 sec., average

**Hot start** 1 sec., average

**Warm start** 38 sec., average

**Cold start** 42 sec., average

**Dynamic Conditions**

**Altitude** 18,000 meters (60,000 feet) max

**Velocity** 515 meters /second (1000 knots) max

**Acceleration** Less than 4g

**Jerk** 20m/sec \*\*3

**Main power input** 3.3V DC input

**Power consumption** 75mA (Continuous mode)

**Dimension** 36.4mm \* 35.4mm \* 8.3mm

**Baud rate** 4,800 to 57,600 bps adjustable

**Electrical level** TTL level **Output voltage level:** 0V ~ 2.85V

**Output message** SiRF binary or NMEA 0183 GGA, GSA, GSV, RMC, VTG, GLL

**Environmental Operating Temperature** -40°C to +85°C