



**EverMore EB-E36-LP is a high sensitivity, low power, DIP type GPS Module, This product is based on EverMore chipset in 12 channel GPS receiver's solution. The GPS module receiver will track up to 12 satellites at a time while providing fast time-to-first-fix and 1Hz navigation updates. It is far reaching capability meets the sensitivity & accuracy requirements of car navigation as well as other location-based applications.**

#### **Features:**

- **EverMore Chipset 12 Channels all in view tracking**
- **Low Power Consumption**
- **High Sensitivity -143 dBm**
- **DGPS : WAAS/EGNOS**
- **Support 1 PPS**
- **Lead Free , RoHS Compliant**

#### **Applications:**

- **Land/Marine Navigation**
- **Telematics**
- **Fleet Management**
- **Asset Tracking**
- **Timing Reference**

**Specification:**

Features	Description
General	L1 1575.42MHz, C/A code, 12-channel all in view tracking
Sensitivity	-143 dBm (typical)
Update Rate	1 Hz
Accuracy	Position: <15m(95%) without S/A Velocity: 0.1 m/sec without S/A Time: ± 100ns synchronized to GPS time
Acquisition	Cold start: 45sec average Warm start: 38 sec average Hot start : 8 sec average
Dynamics	Altitude : 18,000m Max Velocity: 500 m/s Acceleration: 4g Max
Reacquisition Time	0.1 second
Full SBAS Support	WAAS /EGNOS
Datum	WGS-84
Protocol	NMEA-0183 V2.2 , 4800 bps ( default) ,8-None-1 , EverMore 4800 bps,8-None-1
NMEA Message	Default : GGA, GSA, GSV, RMC
Primary Power	3.3VDC ± 0.1Vp-p ripple
Power Consumption	14 mA
Serial Port	UART
Antenna	MMCX Active Antenna
Operation Temperature	-40°C to +85 °C
Storage Temperature	-45°C to +90°C
Operating Humidity	5% to 90% non-condensing
Interface	10 pin header / TTL level output
Dimension	45x31x5 mm

**\* Preliminary Specification, Subject To Change without Notice**