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GNS 502 GPS chip antenna Module TI NL5500 chip



Product No.:4037735105324

Shipping time: 1 Week

The new GNS502 is an easy to implement and very economical complete GPS receiver that is based on Texas Instrument's CC4000 chips because all antenna circuitry is already implemented.

GNS502 integrates a complete GPS receiver that minimize the load on the host processor

GPS engine, TCXO clock, an internal LNA and a high efficient chip antenna with an additional LNA stage are all integrated in the module. A 32.768kHz clock is all that is needed to operate.

Low power requirements (45mA /80mW full power tracking current), small size, highest sensitivity make this solution an economical choice. Further energy savings can be achieved by using one of the internal power saving functions.

The module measures just 15.7 by 10 by 2.0 mm.

GNS502 offers the industry's highest level of navigation sensitivity down to -163dBm*. It has superior dynamic performance at high velocities against interference signals.

An Evaluation board (GNS502 StarterKit) for test and demonstration is also available. It allows quick testing over USB data and power connection. The firmware can be updated over the standard UART connection. GNS provides a tool for use with PC.

Features

- 16 tracking / 40 acquisition channels
- high tracking/navigation sensitivity: -163dBm
- Extremely fast TTFF
- High accuracy 1PPS output
- NMEA-0183 or binary protocol
- Low Power operating modes
- Hibernate current consumption 80µA typical
- Small form factor: 15.7x10.0x2.1 mm

This Product was added to our catalogue on Thursday, 20. June 2013.

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