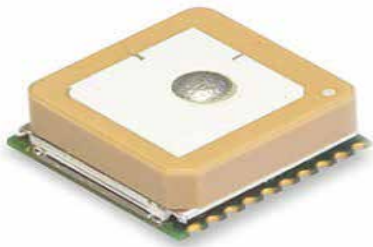


Press release

08-2015



GNS601uLP



GNS302uLP

16mW_{uLP}

the new power benchmark !

Dear readers,

Today we are proud to present our new ultra low power GPS antenna modules GNS601uLP with 16mW and GNS302uLP with only 22 mW power consumption in tracking mode.

The new 16 mW/22 mW class can be used for battery powered devices like asset or pet tracker, golf equipment, IoT devices, mobile phones, personal navigaton devices, GPS for drones , personal fitness tracker or sport watches and can increase their battery lifetime dramatically by using our GNS601uLP or GNS302uLP

Make your customers happy and increase the battery lifetime of your GPS product by replacing your power-hungry GPS module.

ask for samples: inquiry@gns-gmbh.com

It's time to change

with kind regards



Bernd Bierwisch

CEO GNS GmbH

GPS antenna module

GNS 601uLP

GPS

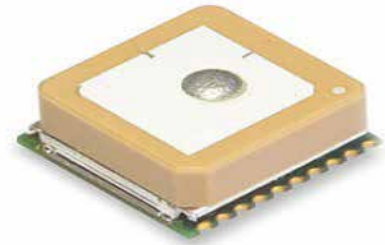
Introduction

Based on the MT3339 single chip solution the GNS 601uLP provides an easy to build-in SMD solderable complete GPS receiver solution. It has got an excellent low power consumption and supports up to 66 acquisition and 22 tracking channels, providing navigation sensitivity up to -165dBm.

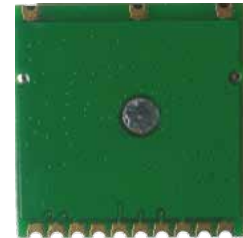
Features

- Ultra high sensitivity: -165dBm
- Extreme-ultra low power consumption
- Fast TTFF at low signal level
- Embedded logger function
- NMEA-0183 or binary protocol
- SMD type with stamp holes
- 66 acquisition- / 22 tracking channels
- A-GPS and EASY™ (Self generated orbit prediction) support
- Precision PPS output
- Update rate 1/s
- 12 Multi-tone Active Interference Canceller for GPS in-band jammer reduction
- AlwaysLocate™ Intelligent Algorithm (Advance Power Periodic Mode for power saving)
- Small form factor: 16x16x6.0 mm
- RohS compliant

16mW_{uLP}
the new power benchmark !



16.0 x 16.0 x 6.0 mm



Characteristics

Parameter	Typ	Unit
Tracking sensitivity	-165	dBm
Acquisition sensitivity	-148	dBm
TTFF coldstart	31	s
TTFF hotstart	<1	s
Output rate	1	1/s
Acq./tracking channels	66/22	
Power consumption		
Power supply	3.2 - 4.0	VDC
GPS active (aquisition)	20	mA
GPS active (tracking)	5	mA
Backup current	7	uA



Made in Germany

GPS antenna module

GNS 302uLP



Introduction

Based on the MT3339 single chip solution the GNS 302uLP provides an easy to build-in SMD solderable complete GPS receiver solution. It has got an excellent low power consumption and supports up to 66 acquisition and 22 tracking channels, providing navigation sensitivity up to -165dBm.

Features

- Ultra high sensitivity: -165dBm
- Extreme-ultra low power consumption
- Fast TTFF at low signal level
- Embedded logger function
- NMEA-0183 or binary protocol
- SMD type with stamp holes
- 66 acquisition- / 22 tracking channels
- A-GPS and EASY™ (Self generated orbit prediction) support
- Precision PPS output
- Update rate 1/s
- 12 Multi-tone Active Interference Canceller for GPS in-band jammer reduction
- AlwaysLocate™ Intelligent Algorithm (Advance Power Periodic Mode for power saving)
- Small form factor: 10.0 x 15.7 x 2.0 mm
- RohS compliant

22mW^{uLP}

the new power benchmark !



10.0 x 15.7 x 2.0 mm

Characteristics

Parameter	Typ	Unit
Tracking sensitivity	-165	dBm
Acquisition sensitivity	-148	dBm
TTFF coldstart	31	s
TTFF hotstart	<1	s
Output rate	1	1/s
Acq./tracking channels	66/22	
Power consumption		
Power supply	3.2 - 4.0	VDC
GPS active (aquisition)	20	mA
GPS active (tracking)	7	mA
Backup current	7	uA



Distribution

Worldwide



Europe



POINTIS



North and South America



South Africa



Asia Pacific



Turkey and Middle East



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