



GlobalTop Technology Inc.
 Sec. A, No. 16, Nan-Kuei Rd., Science-based Industrial Park
 Tainan 741, Taiwan, R.O.C
 Tel: +886-6-6007799 Fax: +886-6-5053381
 E-mail: sales@gtop-tech.com

GMS-D1

Thinness by Globaltop

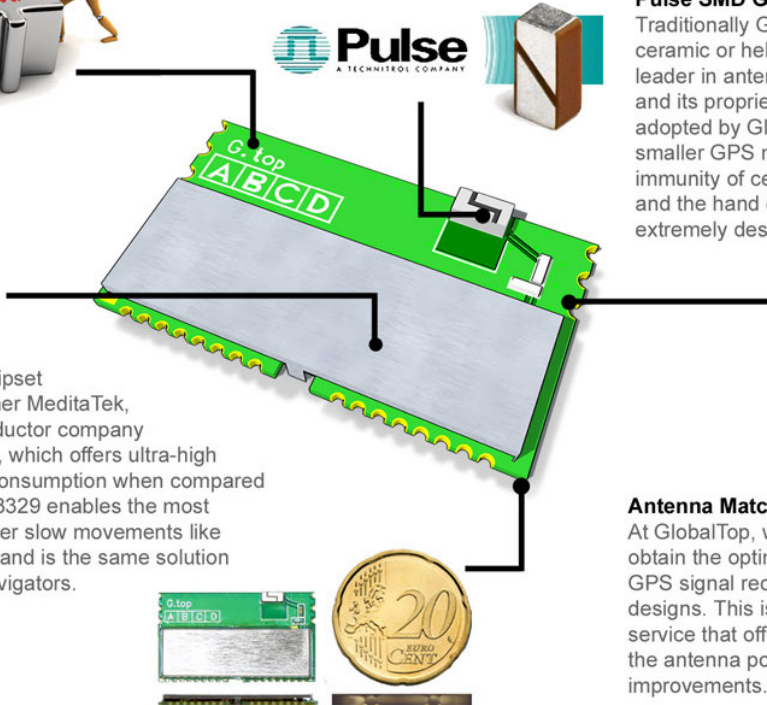
Comprehensive GlobalTop Technical Support

Your Need is Our Mission! GlobalTop is the leading professional in GPS and GPS related product design and manufacturing. Inside each GPS module you'll not only find high quality SAW and LNA components that ensure the highest of sensitivity, but also the tremendous software and hardware support for your customization needs and after sales service.



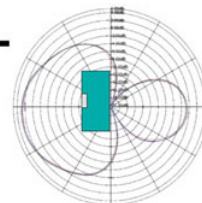
MTK MT3329

Latest generation of GPS chipset provided by our trusted partner Mediatek, the leading fabless semiconductor company for wireless communications, which offers ultra-high sensitivity with least power consumption when compared to competitive solutions. MT3329 enables the most precise positioning even under slow movements like hiking or mountain climbing, and is the same solution used in Garmin's outdoor navigators.



Pulse SMD GPS Antenna

Traditionally GPS modules utilize relative large ceramic or helix antenna, but Pulse, the global leader in antenna solution for wireless devices, and its proprietary antenna technologies, was adopted by GlobalTop to create a distinctively smaller GPS module solution that offer inherent immunity of ceramic solutions to other antennas and the hand effect, which in turn makes it an extremely desirable solutions



Antenna Matching

At GlobalTop, we understand not everyone can obtain the optimal radiation pattern for the antenna for GPS signal reception due to various mechanical designs. This is why we offer an antenna matching service that offers special assistance in maximizing the antenna potential for possible performance improvements.

2.1 mm in Thickness

Utilizing the latest MTK MT3329 GPS Chipset and the cutting edge Pulse SMD GPS antenna, we were able to shrink the previously bulky GPS module with integrated antenna solution down to 2.1mm thin. This is the same thickness as 20 cent euro coins (€0.20, 2.14mm in thickness) and is perfect for use in thin mobile devices such as PND, outdoor fitness devices, cell phones, and digital cameras..

Specification

GPS Solution	MTK MT3329
Frequency	L1, 1575.42 MHz
Sensitivity	Acquisition -148dBm, cold start Reacquisition -160dBm Tracking -164dBm
Channel	66 Channels
TTF	Hotstart: 1 seconds typical Warm start: 33 seconds typical Coldstart: 35 Seconds typical
Update Rate	1hz default, Maximum 10 Hz
BaudRate	9600 bps (default)
DGPS	RTCM protocol / SBAS(default) [WAAS, EGNOS, MSAS, GAGAN]
AGPS	Supported
Power Supply	VCC: 3.3V to 5.5V ; VBACKUP: 2.0V to 4.0V
Power Consumption	48mA acquisition, 37mA tracking Shut-down current consumption 15uA typical
Working Temperature	-40°C to +85°C
Dimension	24 x 14 x 2.1mm. SMD

Complete
GPS
Solution