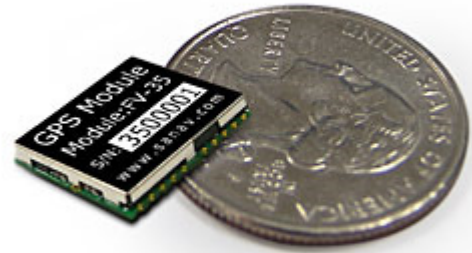


FV-35 “GPS Recepteurs Module”

Présentation:

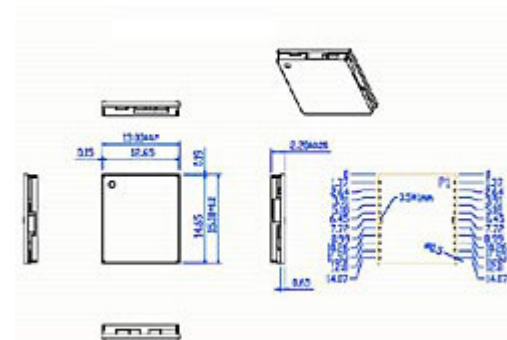
FP-35 est le plus petit GPS Engine Board module est disponible sur le marché

Par la technologie SiRF Star III GPS très sensible



Caractéristiques:

- 20 Canaux parallèles
- De type SMT avec des trous de fixation tampon
- Une sortie stéréo de haute qualité audio
- TCXO design
- NME-0183-compliant. Procès-verbal
- Amélioration de l'algorithme pour la stabilité de navigation
- Excellente sensibilité
- DGPS (WAAS, EGNOS) support
- LNA et filtre SAW



Application:

Navigation automobile / positionnement et de navigation personnel
La navigation maritime / le calendrier d'épandage

**Specification FV-35 GPS
Module**

Parameter	Specification
Chipset	SIRF STAR III, GSC 3f/LP (Digital, RF in a single package)
Frequency	L1 1575.2 MHz
Code	C.A. Code
Channels	20 parallel
Sensitivity (Acquisition)	-159 dBm
Start up Time	Cold Start 35s (open sky) typ. Warm Start 35s (open sky) typ. Hot Start 1s (open Sky) typ.
Reacquisition	0.1 sec typical
Position accuracy	10m @ 2D RMS
Maximum Altitude	18000m
Maximum velocity	514 m/s
Trickle power mode	Duty cycle 34% variable
Update Rate	Continuous operation 1Hz
Testability	It shall be able to be tested by SIRF testmode 4 and single channel simulator
Protocol setup	I shall store the protocol setup in the SRAM memory
DGPS	1. WAAS, EGNOS 2. RTCM protocol
<u>Interface:</u>	
LNA	17dbB Gain (typ.)
I/O Pin	22 pin
Mechanical consumption:	
Weight	3.5g

<u>Power consumption:</u>	
VCC	DC3.3 +/-5%
	GPS: 33mA @ 3.3V (Acquisition w/o ext. Antenna) typical
Current	32 mA @ 3.3 V (tracking w/o ext. Antenna) typical 11mA @ 3.3 V (Standby mode w/o ext. Antenna) typical
Environment	
Operating temperature	-40°C ~ 85°C
Storage temperature	-40°C ~ 85°C
Humidity	95%