

TK-1315 LA GPS Engine Board Module

Overview:

High sensitive mini GPS receiver modules

With built in and high gain Low Noise Amplifier and filter, the GPS engine boards are low power consumption with 20 channels, they are best suitable for GPS enabled handheld or AVL applications

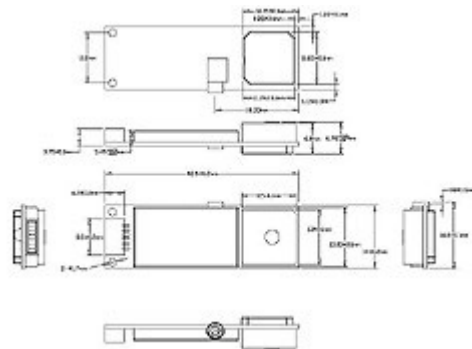


Features:

- High gain LNA and filter
- External Antenna MCX Edge mount
- 20 parallel channels
- -159dBn high GPS sensitivity
- 6 pin connectors

Applications:

- Personal Navigation Device including GPS PDA and GPS Handheld
- Mobile phone and smart phone
- GPS receiver and GPS mouse
- Personal positioning and navigation
- Automotive / Marine navigation



Specification:

PHYSICAL CONSTRUCTION :		PERFORMANCE :	
Dimension	L 42.5,0 mm W 14,0 mm H 7.1 mm	Sensitivity	-159dbm
Weight	<8 gram	Receiver architecture	20 parallel channels
Receiving frequency	1575.42MHZ; C/A code	Start-up time	Hot start <5 sec
Mounting	6-pin connectors with 1.0 mm pitch		Warm start 45 sec
Construction	Full EMI shielding		Cold start 45 sec
External Antenna	MCX Edge mount	Position accuracy	Autonomus Position Error 1.5 m
ENVIRONMENTAL CONDITIONS :		Velocity	100 m /s (maximum)
Temperature	Operating: -30° ~ + 85°	Altitude	50 km (maximum)
	Storage: -40° ~ + 85°	Update Rate	1 Hz
COMMUNICATION :		Power Supply	3,3V +- 5%
Protocol	NMEA 0183 V3.00, RTCM	Current Consumption	Acquisition: 53mA
Signal level	UART @ 3.3V		Tracking 53mA
INTERFACE CAPABILITY :		Baud Rate	9600 bps (default) & 4800/9600/38400/57600/115200 bps are adjustable
Output Sentences	Standard GGA, RMC, GSV, GSA, Option VTG GLL,ZDA		

This specification is subject to change without prior notice..