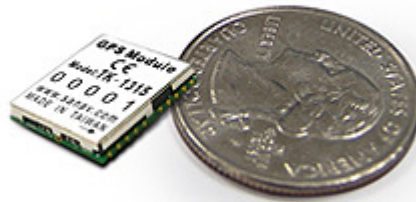


TK-1315 Series GPS Module

Overview:

- Low cost and High-sensitivity mini GPS receiver module
- TK 1315 series is high sensitive mini GPS receiver module
- With built in and high gain LNA and filter, the GPS engine board of low power consumption and 20 channels are best suitable for GPS-enabled handheld of AVL applications



Features:

High gain LNA and filter

Applications:

- PGPS-enabled handheld or AVF applications
- 20 parallel channels
- -159dBm high GPS sensitivity

P1	RXB	GND	P20
P2	TXB	RFIN	P19
P3	1PPS	GND	P18
P4	TXA	VOUT	P17
P5	RXA	BOOT	P16
P21	GND	GND	P22
P6	NC	GPIO3	P15
P7	NC	GPIO7	P14
P8	RESET	GPIO8	P13
P9	NC	VCC	P12
P10	ON_OFF	VBAT	P11

Specification TK-1315

PHYSICAL CONSTRUCTION :		PERFORMANCE :	
Dimension	L 15,0 mm W 13,0 mm H 2,2 mm	Sensitivity	-159dbm
Weight	1 gram	Receiver architecture	20 parallel channels
Receiving frequency	1575.42MHZ; C/A code	Start-up time	Hot start <5 sec
Mounting	SMT EMI shielding		Warm start 45 sec
Construction	Full EMI shielding		Cold start 45 sec
ENVIRONMENTAL CONDITIONS :		Position accuracy	Without aid 1.5 m CEP
Temperature	Operating: -30° ~ + 85°	Velocity	100 m /s
	Storage: -40° ~ + 85°	Altitude	< 50 km
COMMUNICATION :		Update Rate	1 Hz
Protocol	NMEA 0183 V3.00, RTCM	Power Supply	3,3V +- 5%
Signal level	UART @ 3.3V	Current Consumption	Acquisition: 53mA
INTERFACE CAPABILITY :			Tracking 53mA
Output Sentences	Standard	Baud Rate	9600 bps (default) & 4800/9600/38400/57600/115200 bps are adjustable
	Option		

This specification is subject to change without prior notice..