

# TK-1722U USB GPS Receiver Modul

## Overview:

High sensitive mini GPS receiver modules

The TK-1722U has a built in high gain Low Noise Amplifier and Filter

With Atheros chipset

USB interface

The GPS engine board has a low power consumption and the 20 channels are best suitable for GPS enabled handheld or AVL applications



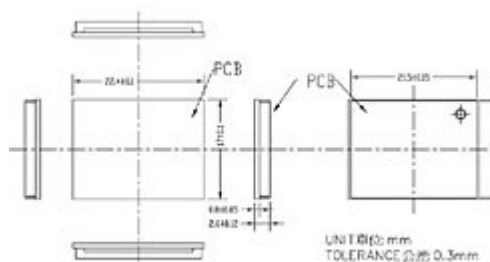
## Features:

High sensitive -159dbm

High gain Low Noise Amplifier and filter

Power supply 3.3 ~ 5 V +-5%

Low power consumption



## Application:

Personal Navigation Device including GPS, PDA and GPS handheld

Mobile phone and smart phone

GPS receiver and GPS mouse

Personal positioning and navigation

## **Specification TK-1722U GPS Receiver Module:**

<b>PHYSICAL CONSTRUCTION :</b>		<b>PERFORMANCE :</b>	
Dimension	L 22.4 mm W 17.0 mm H 2.9 mm	Sensitivity	-159dbm
Weight	3 gram	Receiver architecture	20 parallel channels
Receiving frequency	1575.42MHZ; C/A code	Start-up time	Hot start <5 sec
Mounting	SMT type with stamp holes		Warm start 45 sec
Construction	Full EMI shielding		Cold start 45 sec
<b>ENVIRONMENTAL CONDITIONS :</b>		Position accuracy	Autonomus Position Error 1.5 m CEP
Temperature	Operating: -30° ~ + 85°	Velocity	100 m /s (maximum)
	Storage: -40° ~ + 85°	Altitude	<50 km (maximum)
<b>COMMUNICATION:</b>		Update Rate	1 Hz
Protocol	NMEA 0183 V3.00, RTCM	Power Supply	3,3V +- 5%
Signal level USB	V1.1 @ 5.0 V	Current Consumption	Acquisition: 53mA
<b>INTERFACE CAPABILITY :</b>			Tracking 43mA
Output Sentences	Standard	GGA, RMC, GSV, GSA, VTG	
	Option	GLL,ZDA	

**This specification is subject to change without prior notice..**