Specification

MTK MT3329
L1, 1575.42MHz
1.023 MHz
66 channels
WAAS, EGNOS, GAGAN,MSAS Supported
WGS84(Default), Tokyo-M, Tokyo-A, User Define
46(L)x33(W)x17.3(H)mm, without cable
2m
stics
Without aid: 3m 2D-RMS
DGPS(RTM,SBAS(WAAS,EGNOS,MASA)):2.5m 2D-RMS
Without aid:0.1 m/s
DGPS (RTCM, SBAS (WAAS, EGNOS, MSAS)):0.05m/s
Without aid:0.1 m/s²
DGPS (RTCM, SBAS (WAAS, EGNOS, MSAS)):0.05m/s ²
100 ns RMS
Acquisition:-148dBm (Cold Start)
Reacquisition:-160dBm
Tracking:-165dBm
10 Hz

Acquisition (Open sky, stat	tionary)
Reacquisition Time ¹	Less than 1 second
Hot start ¹	1.0s (Typical)
Warm start ¹	34s (Typical)
Cold start ¹	35s (Typical)
Dynamic	
Altitude	Maximum 18,000m
Velocity	Maximum 515m/s
Acceleration	Maximum 4G
Power	
Input Voltage	DC 5.0V ±5%
Power Consumption @ 5.0V	Acquisition:48mA Typical
	Tracking:38mA Typical
I/O	
Signal Output	8 data bits, no parity, 1 stop bit
Baud Rates	9600bps (4800/38400/57600/115200 bps by option)
	NMEA 0183 v3.01 (Default: GGA,GSA,GSV,RMC,VTG)
Protocols	RTCM
	MTK NMEA Command
Environment	
	-40 °C to 85 °C (without coin battery)
Operating Temperature	-20 °C to 60 °C (with coin battery)
	-50°C to 90 °C (without coin battery)
Storage Temperature	-20°C to 60 °C (with coin battery)
Operating Humidity	5% to 95% (no condensing)

¹ Reference to GPS chipset specification