

# Specification

Specifications	Parameter	Description
General		L1 frequency,C/A code (SPS), 12 Independent tracking channel
Sensitivity		-150 dBm (tracking)
Accuracy	Position	3m CEP , 6m (2 DRM)
	Velocity	0.2m/sec (50%)
	Time	20 ns RMS (static mode)
Acquisition	Cold Start	50sec
	Warm Start	35sec
	Hot Start	8sec
Reacquisition	100 ms typical (signal reacquisition)	
Dynamics	Altitude	18000m max
	Velocity	500 m/sec.
	Vibration	4G Max
Operation Temp		-40 C to +85 C
Storage Temp		-45 C to +90 C
Operating Humidity		0% to 90% RH, non condensing
Primary Power		7v-32v Dc
Power Consumption		41.5mA @12vDc
Protocol		NMEA-0183 v3.0 baud rate 4800/9600/19200/38400/115200.default 4800
Signal Level		RS-232 (standard)
NMEA Message		GGA, GLL, GSA, GSA, RMC,& VTG
Direct RTCM-SC104 Interface		Optional
EMI Filter		Rejects power interference
Power Cable		UL 2464/28AwG#4C ,20ft
Enclosure		High Impact, Corrosion-proof PC resin
Construction		Ultrasonic welded fully waterproof
Weight		100 grams without cable
Dimension		80mm (Dia) x 25mm(h)

\* this specification is subjut to change without prior notice