

2.1 RECEIVER SPECIFICATIONS

FEATURES	DESCRIPTIONS
General	L1 frequency, C/A code, 12-channel
Sensitivity	-165 dBW minimum
Update Rate	1Hz
Accuracy	Position: 25m CEP without S/A
	Velocity : 0.1/sec without S/A
Acquisition	Cold start: < 48sec (typical)
	Warm start: < 38sec (typical)
	Hot start: < 8sec
Reacquisition	<100 msec
Dynamics	Altitude: -1000m to 18000m
	Velocity: 500m/sec
	Acceleration: < 4G
Operation Temperature	-20°C to +75°C
Storage Temperature	-55°C to +90°C
Operating Humidity	5% to 95%
Primary Power	+3.8V ~ 8V DC
Current Consumption	80mA @ 3.3V, Trickle power: 27mA
Serial Interface	RS-232
Protocol	4800/9600 baud, 8-None-1
	NMEA-0183 v2.20 @ 4800/9600 baud, 8-None-1
Datum	219 standard datum, default WGS-84
Antenna	On-Board Patch Antenna
NMEA Message	GGA, GLL, GSA, GSV, RMC, and VTG
Dimension	69mm x 73mm x 20mm (W x L x H)

2.2 LED INDICATOR

LED off	Receiver Switch Off
LED flashing	Signal Searching
LED on	3D Position Fixed