



10mmx 10mm

MODULE GPS VENUS 838FLPX

Module GPS à puce unique, de faible dimensions 10mm x 10mm x 1.3mm, de haute performance et faible coût qui cible les applications mobile pour les consommateurs.



SKU: Venus 838FLPx

Features

- Customized firmware for CubeSat application
- Maximum velocity 8Km/sec
- -148 dBm cold start sensitivity
- -165 dBm tracking sensitivity
- 29 second cold start TTFF
- 1 second hot start
- 2.5 m accuracy
- 110mW full power navigation
- Works directly with active or passive antenna
- Complete receiver in 10mm x 10mm x 1.3mm size
- Contains LNA, SAW filter, TCXO, RTC Xtal, LDO
- Requires only antenna and power to work
- Pb-free RoHS compliant

Technical Specifications

Receiver Type	L1 frequency GPS, QZSS 167-channel architecture 16-million time-freq search / sec
Accuracy	Position : 2,5m CEP Velocity : 0,1m/sec Time : 10nsec
Open Sky TTFF	29 seconds cold start 1 second hot start
Reacquisition	< 1s
Dynamics	4G
Operational Limits	Velocity < 8Km/s
Sensitivity	-165dBm tracking -148dBm cold start
Update Rate	1 / 2 / 4 / 5 / 8 / 10 / 20 / 25 / 40 / 50 Hz Default 1Hz
Serial Interface	LCTTL level
Protocol	NMEA-0183 V3,01 SkyTraq Binary
Power Consumption	110mW full power tracking
Package	LGA69 10 x 10 x 1,3mm
Weight	0,3g

