

	CONSTELLATIONS					VOLTAGE (V)		INTERFACES				FEATURES			
	GPS	GLONASS	Galileo	QZSS	BDS	1.8	3.0	CAN	UART	I2C	USB	DR	Timing	DGPS	Flash
SL869	•	•	•	•			•		•	•	•			•	•
SL869-DR	•	•	•	•			•		•	•	•	•		•	•
SL869-T	•	•	•	•			•		•	•	•		•		•

JUPITER SL869-T Series

GNSS Standalone

Product Features

- Frequency Band: GPS (L1), GLONASS (L1, FDMA), Galileo (E1)
- Standards: NMEA, RTCM 104
- 32 Channel GNSS architecture
- Positional Accuracy (CEP50): 1.5 m
- Time To First Fix (@ -130 dBm)
 - Hot Start: 1 s
 - Cold Start: < 35 s
- A-GPS: local ephemeris prediction
- A-GPS: server predicted ephemeris
- Jammer rejection
- Special Timing capability
- TRAIM

Electrical & Sensitivity

- Current consumption
 - Acquisition: 67mA (GPS+GLO)
 - Tracking: 42mA (GPS+GLO)
 - Standby: 73uA
- Power supply
 - VCC: 3.0 - 3.6 V
 - Battery: 2.5 - 3.6 V
- Sensitivity
 - Acquisition: -146 dBm
 - Navigation: -158 dBm
 - Tracking: -162 dBm

Environmental

- Dimensions: 16 x 12.2 x 2.4 mm
- Weight: 1.8 g
- 24-pad LCC package
- Temperature Range
 - Operating temperature: -40 to +85°C
 - Storage temperature: -40 to +85°C

Interfaces

- UART
- 1PPS for precise timing
- EGNOS, WAAS and MSAS
- USB
- 2nd UART for debug/DGPS
- I2C



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