

Specifications

Receiver Type

Chipset	LEA-6S
Frequency	GPS L1, C/A Code, GALILEO L1 Open Service (with upgrade), SBAS : WAAS, EGNOS, MSAS, GAGAN
Channels	Supports 50 Channels

Sensitivity

Tracking & Navigation	-160dBm
Acquisition	-160dBm
Cold Start (Autonomous)	-147dBm

Time to First Fix (TTFF)

Cold Start	28 sec
Warm Start	28 sec
Hot Start	<1 sec
Aided Start	<1 sec

Accuracy

Horizontal Position	Autonomous : <2.5m CEP, SBAS : <2.0m CEP
Accuracy of Timepulse Signal	RMS 30ns
Max Navigation	99% <60ns
Update Rate	5Hz (Max.)

Dynamic Conditions

Velocity	<500 m/s (972 knots)
Acceleration	<= 4g

Output Message Format

GPS Protocol	NMEA, UBX Binary, GGA, GLL, GSA, GSV, RMC, VTG, TXT
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Multipath Suppression

Type	Intelligent multipath detection and suppression
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A-GPS

Type	Supports AssistNow® Online and Offline, OMA SUPL Compliant
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Environmental Characteristics

Operating Temp.	-40°C to +85°C
Storage Temp.	-40°C to +85°C
Peak Supply Current	Max=150mA
Max Performance	Acquisition =74mA
Eco Mode	Tracking = 43mA
Power Input	3.3V +-10% VDC input
Dimensions	51 x 30 (mm)