

AVL-115



AVL GPS Tracker

Products View



AVL-115 GPS Tracker

GPS Specifications

Item	Description	Specification
Chipset	Skytraq	Venus638LPx
Sensitivity	Tracking	-161dBm
General	Frequency	L1, 1575.42 MHz
	C/A code	1.023 MHz chip rate
	Channels	51 Channel Acquisitions 14 Channel Tracking
Datum	Default	WGS-84
Accuracy	Position	2.5m CEP
	Velocity	0.1 meters/second
	Time	300ns
Time to First Fix (TTFF)	Reacquisition	0.1 sec., average
Open Sky & Stationary Requirements	Hot start	1 sec., average typical TTFF @ -130dBm
	Warm start	28 sec., average typical TTFF @ -130dBm
	Cold start	29 sec., average typical TTFF @ -130dBm
Dynamic Conditions	Acceleration	4g, max.

GSM/GPRS Specifications

Item	Description	specification
Air Interface	GSM or GPRS Quad Band	850/900/1800/1900MHz
	Protocol Stack	GSM Rel.97. STK Rel.99 GPRS Rel4.0 Class 10
	Output Power	Class 4 (2W) at 850/900 MHz Class 1 (1W) at 1800/1900 MHz

GSM Sensitivity	850/900 MHz	-108 dBm
	1800/1900 MHz	-107 dBm
Messaging	SMS concatenated	Yes
	Smart messaging(GPRS)	Yes

Physical Specifications

Item	Description	Specifications
Dimension (Products)	Length	86 mm
	Width	46mm
	Height	19 mm
Antenna	GPS	Internal
	GSM/GPRS	Internal

Environmental Specifications

Item	Description	Specification
Temperature	Operating range	-10 °C to 55 °C
	Storage range	-20 °C to 70 °C
Humidity	up to 95% non-condensing	

LED Signal Definitions

Indication	Conditions	LED display
Service	Limit service (no sim card in)	Red LED On (Power) Blue LED On (GPS) Orange LED On (GPRS)
	No GPRS service (no signal)	Orange LED on
	GPS Not Fixed	Blue LED On
Mode	GPS Not Fixed	Blue LED On
	GPS Fixed	Blue LED blinking
	GPRS Not connection	Orange LED on
	GPRS connection	Orange LED blinking
	Working	Red LED O

Electrical Specifications

Item	Description	Specification
Supply voltage	From Car Power	9 V – 40V
Power consumption	Operation mode (GSM)	130mA~ 270mA
	Standby mode (Trace On)	70±5mA
	Power saving mode (Trace Off)	7mA