







Product number

XV-9100LV: X2A000031xxxx00 XV-9100LP: X2A000041xxxx00 XV-9300LV: X2A000051xxxx00

# XV-9100LV / LP XV-9300LV

- •Wide temperature support, up to +125degree, good for engine room usage.
- •High reliability by installing the self diagnosis function
- •Ultra small and light weight using the original Double-T structure quartz crystal element.
- •Excellent performance of shock-resistance and vibration-resistance.
- High reliability and connectivity to PCB using J-lead terminal.
- •Conforms to AEC-Q100 (please contact us)

### **Recommended Application**

•Electric Stability Control System / Rollover Protection System





(Unit:mm)

Do not connect "N.C." pins

externally devices

# Specifications (characteristics)

Item		Symbol	Specifications		Conditions ( Domeste
			XV-9100LV / LP	XV-9300LV	Conditions / Remarks
Supply Voltage		Vdd	5.0 V ±0.25 V		
Temperature	Storage Temperature	Тѕтс	-40 °C to +125 °C		
range	Operating Temperature	Topr	-40 °C to +125 °C		
Scale factor		So	$0.004 \times VDD \text{ mV/(°/s)}$	$0.0012 \times VDD \text{ mV/(°/s)}$	
Bias		Vo	0.5 × Vdd V Typ.		
Rate range		I	±100 °/s	±300 °/s	
Non linearity		NL	±0.5 % FS		
Frequency response		BW	52.6 Hz Typ.		-3dB point
Cross axes		os	±5 %		Ta=+25 °C
Current consumption		lop	6. <b>7</b> mA Typ.		Vo : Output No load condition
Noise		rN	1.0 (°/s) p-p Max.	3.3 (°/s) p-p Max.	5kHz sampled at 200ms
Start-up time		Таст	300 ms Max.		

Product Name (Standard form)  $\frac{\text{XV-9100 LV}}{\textcircled{1}} \ \frac{\text{**.******} \text{kHz}}{\textcircled{3}}$ 

**External Dimensions** 

①Model ②Package type ③Frequency (not necessary to specify)

## •XV-9100LP •XV-9100LV / XV-9300LV Pin map Pin map XV-9100LF XV-9100/9300LV GND GND N.C DIAG N.C. V<sub>DD</sub> GND GND VDD Vout 10 CHECH

# ●XV-9100LV ●XV-9300LV ■XV-9300LV ■XV-9300LV ■XV-9300LV ■XV-9300LV ■XV-9300LV ■XV-9300LV ■XV-9300LV

Do not connect "N.C." pins externally devices

# PROMOTION OF ENVIRONMENTAL MANAGEMENT SYSTEM CONFORMING TO INTERNATIONAL STANDARDS

At Seiko Epson, all environmental initiatives operate under the Plan-Do-Check-Action (PDCA) cycle designed to achieve continuous improvements. The environmental management system (EMS) operates under the ISO 14001 environmental management standard.

All of our major manufacturing and non-manufacturing sites, in Japan and overseas, completed the acquisition of ISO 14001 certification.

ISO 14000 is an international standard for environmental management that was established by the International Standards Organization in 1996 against the background of growing concern regarding global warming, destruction of the ozone layer, and global deforestation.

# **WORKING FOR HIGH QUALITY**

In order provide high quality and reliable products and services than meet customer needs, Seiko Epson made early efforts towards obtaining ISO9000 series certification and has acquired ISO9001 for all business establishments in Japan and abroad. We have also acquired IATF 16949 certification that is requested strongly by major automotive manufacturers as standard.

IATF 16949 is the international standard that added the sector-specific supplemental requirements for automotive industry based on ISO9001.

Explanation of the mark that are using it for the catalog



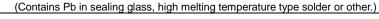
►Pb free.



► Complies with EU RoHS directive.

\*About the products without the Pb-free mark.

Contains Pb in products exempted by EU RoHS directive.





▶ Designed for automotive applications such as Car Multimedia, Body Electronics, Remote Keyless Entry etc.



▶ Designed for automotive applications related to driving safety (Engine Control Unit, Air Bag, ESC etc).

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Other applications requiring similar levels of reliability as the above

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