Sensing Device

ULTRA MINIATURE SIZE GYRO SENSOR

(FOR CAR NAVIGATION SYSTEM) XV-8000CB / LK

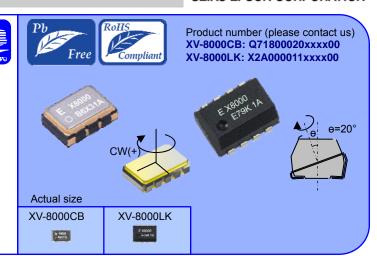
- •5.0V operable device (Ratio metric output)
- •High stability using vibration crystal
- •With output terminal of temperature sensor
- ●External dimensions: 5.0 x 3.2 x 1.3 mm ··· XV-8000CB

6.0 x 4.8 x 3.3 mm ··· XV-8000LK

•Inclined angle: 20 degrees (XV-8000LK)

Recommended Application

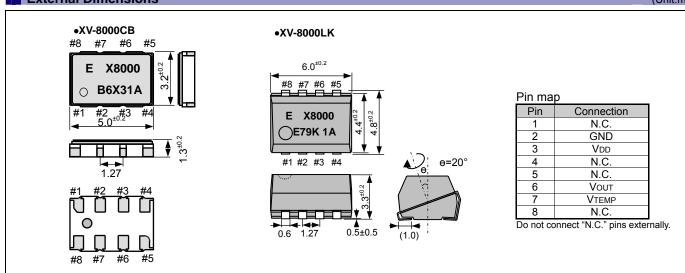
Car navigation system



Specifications (characteristics)

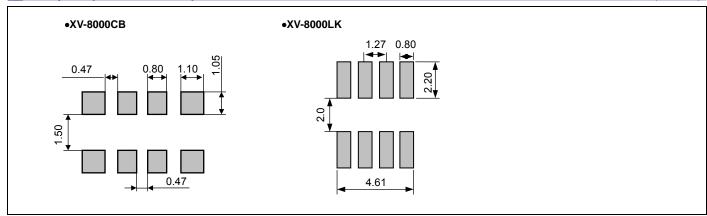
Item Supply Voltage		Symbol	Specifications	Conditions / Remarks
		VDD	5.0 V ±0.25 V	Vss=0 V
Temperature	Storage Temperature	Тѕтс	-40 °C to +85 °C	
range	Operating Temperature	Topr	-40 °C to +85 °C	
Scale factor		So	0.005* VDD mV/(°/s)	
Bias		Vo	0.5* Vdd V Typ.	Ta=+25 °C
Rate range		1	±60 °/s	
Non linearity		NL	±0.5 % FS	Ta=+25 °C
Frequency response		BW	10 Hz Typ.	Phase delay angle 90°
Cross axes		OS	±5 %	Ta=+25 °C
Current consumption		lop	4 mA Typ.	Vo : Output No load condition
Noise		rN	3 mVp-p Typ	

External Dimensions (Unit:mm)



Footprint (Recommended)

(Unit:mm)



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 ISO/TS 16949 certification that is requested strongly by major automotive manufacturers as standard.

ISO/TS16949 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.

 (Contains Pb in sealing glass, high melting temperature type solder or other.)



▶ The products have been designed for high reliability applications such as Automotive.

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