SEIKO EPSON CORPORATION

SENSOR

ULTRA MINIATURE SIZE VIBRATION GYRO SENSOR (angular rate sensor)

XV-3900CB

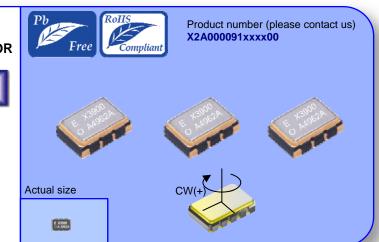


•Ultra Small Package size SMD(5 \times 3.2 \times 1.3 mm) •Hermetic sealing provides excellent sustainable

- environmental capability
- High stability using vibration crystal
- Low noise density

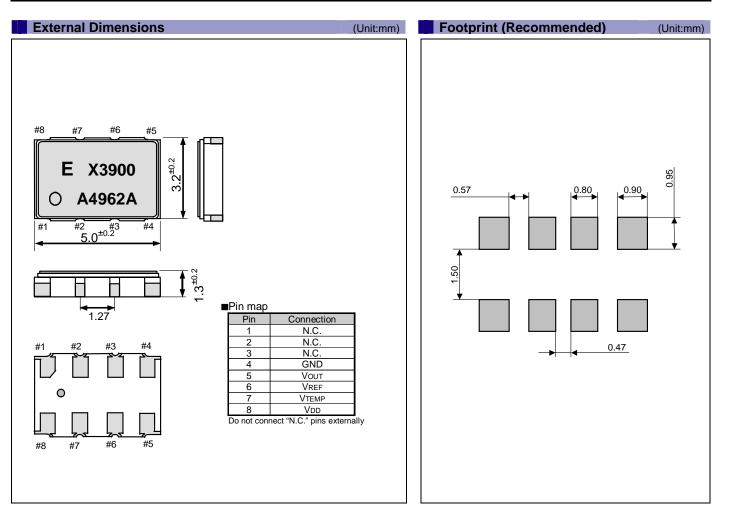
Recommended Application

- •Detection picture stabilization of DVC and DSC
- •Detection of moving with man machine interface



Specifications (characteristics)

Item		Symbol	Specifications	Conditions / Remarks	
Supply voltage		Vdd	3.0 V ±0.3 V	Vss=0 V	
Temperature	Storage Temperature	Тѕтс	-40 °C to +85 °C		
range	Operating Temperature	Topr	-20 °C to +80 °C		
Scale Factor		So	8.0 mV/(°/s)		
Bias		Vo	1500 mV Typ.	Ta=+25 °C	
Reference Voltage		Vr	1500 mV Typ.	Ta=+25 °C	
Rate Range		I	±100 °/s		
Non linearity		NL	±1 % FS	Ta=+25 °C	
Phase Delay		φ20	4 deg.	at 20Hz phase delay angle	
Band Width		BW	200 Hz Typ.	phase delay angle 90°	
Current consumption		lop	5.4 mA Typ.	Vo,Vr : Output No load condition	
Noise		Nd	0.0015 (°/s)/√Hz Typ.	at 10 Hz	



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.

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.

Explanation of the mark that are using it for the catalog

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.

ISO/TS16949 is the international standard that added the sector-specific supplemental requirements for automotive industry based on ISO9001.

Pb Free	► Pb free.	
Rolls	Complies with EU RoHS directive. *About the products without the Pb-free mark. Contains Pb in products exempted by EU RoHS directive.	
- Compliant	(Contains Pb in sealing glass, high melting temperature type solder or other.)	
For Automotive	► The products have been designed for high reliability applications such as Automotive.	

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