



SENSOR
ULTRA MINIATURE SIZE GYRO SENSOR
 (For portable GPS, PND applications)
XV-8100CB

- Ultra Small Package size SMD(5 × 3.2 × 1.3 mm)
- Hermetic sealing provides excellent sustainable environmental capability
- 3.0 V operable device, Low current consumption
- High stability using vibration crystal
- Low Noise

Recommended Application

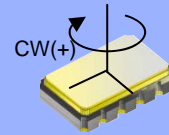
- Portable type GPS, PND (Personal Navigation Device)



Product number (please contact us)
 Q71810020xxxx00



Actual size

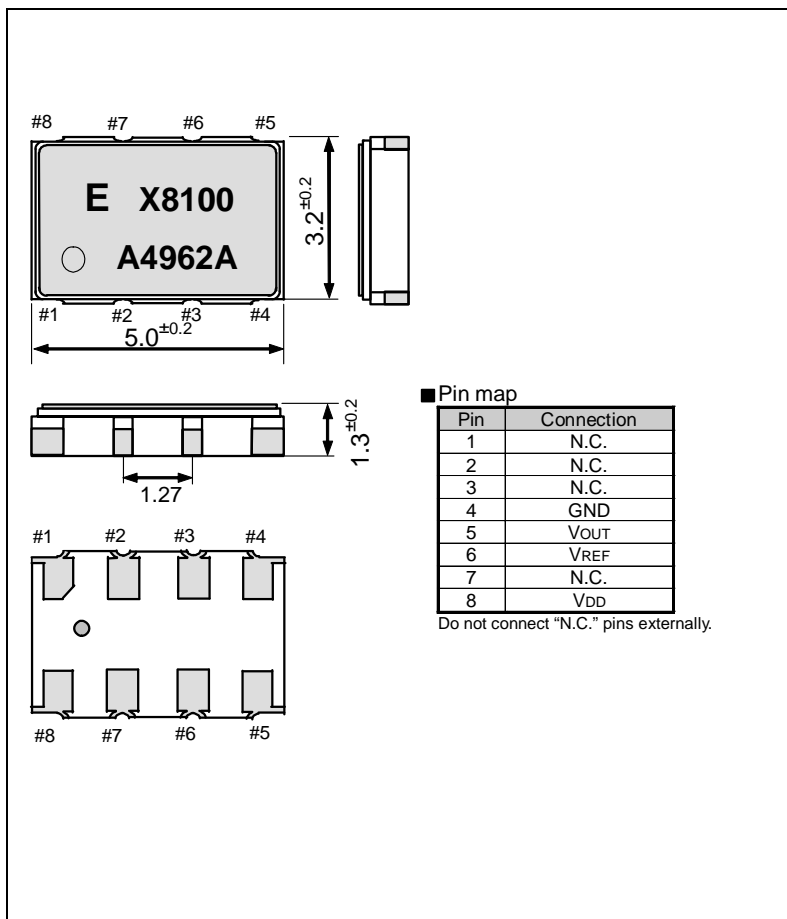


Specifications (characteristics)

Item	Symbol	Specifications	Conditions / Remarks
Supply voltage	VDD	3.0 V \pm 0.15 V	VSS=0 V
Temperature range	Storage Temperature	TSTG	-40 °C to +85 °C
	Operating Temperature	TOPR	-40 °C to +85 °C
Scale factor	So	2.5 mV/(°/s)	
Bias	Vo	1350 mV Typ.	Ta=+25 °C
Reference voltage	Vr	1350 mV Typ.	Ta=+25 °C
Rate range	I	\pm 100 °/s	
Non linearity	NL	\pm 0.5 % FS.	Ta=+25 °C
Cross axes	OS	\pm 5 %.	Ta=+25 °C
Current consumption	Iop	1.7 mA Typ.	Vo, VREF : Output No load condition
Noise	Nd	0.004(°/s) \sqrt Hz Typ.	at 10 Hz

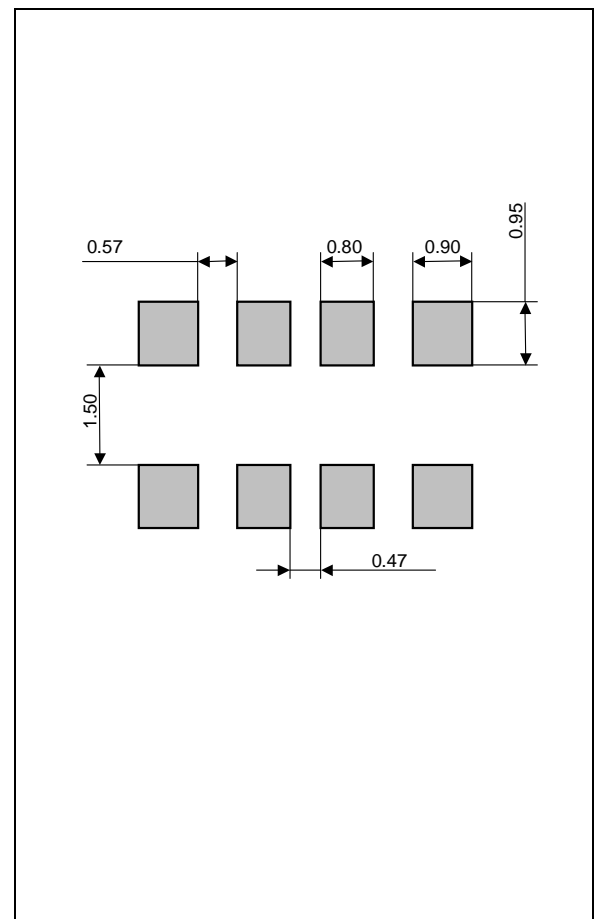
External Dimensions

(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

	<p>► Pb free.</p>
	<p>► 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.)</p>
	<p>► The products have been designed for high reliability applications such as Automotive.</p>

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