Sensing Device

SEIKO EPSON CORPORATION

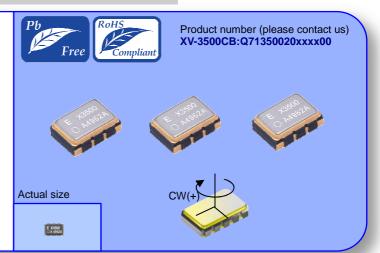
GYRO SENSOR

XV-3500CB

- •Small Package size SMD(5.0 \times 3.2 \times 1.3 mm)
- •Hermetic sealing provides excellent sustainable
- environmental capability
- •High stability using vibration crystal
- •Clipped startup time and low power consumption with sleep mode

Recommended Application

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



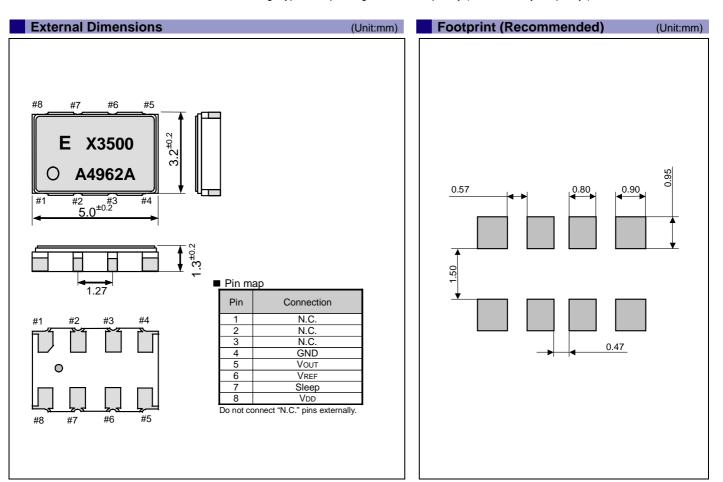
Specifications (characteristics)

	Item	Symbol	Specifications	Conditions / Remarks	
Supply voltage		Vdd	3.0 V ±0.3 V		
Temperature	Storage Temperature	Tstg	-40 °C to +85 °C		
range	Operating Temperature	TOPR	-20 °C to +80 °C		
Scale Factor		So	0.67 mV/(%s)		
Bias		Vo	1350 mV Typ.	Ta=+25 °C	
Reference Voltage		Vr	1350 mV Typ.	Ta=+25 °C	
Rate Range		I	±100 %s		
Non linearity		NL	±5 % FS	Ta=+25 °C	
Phase Delay		φ 2 0	4 deg.	at 20Hz phase delay angle	
Current	In Operating	lop	1.7 mA Typ.	Vo,Vr : Output No load condition	
consumption	Sleep Mode	Isleep	1 mA Typ.	Vo,Vr : Output No load condition	

Product Name (Standard form)

<u>XV-3500 CB</u> <u>*</u> <u>**.***** kHz</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u>

①Model ②Package type ③Spec segment ④Frequency (not necessary to specify)



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.
RoHS	 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.)
For Automotive	► Designed for automotive applications such as Car Multimedia, Body Electronics, Remote Keyless Entry etc.
Automotive Safety	► Designed for automotive applications related to driving safety (Engine Control Unit, Air Bag, ESC etc).

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