



SENSOR

ULTRA MINIATURE SIZE VIBRATION GYRO SENSOR

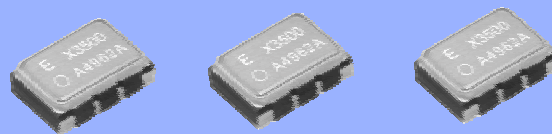
(angular rate sensor)

XV - 3500CB

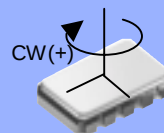
- Ultra Small Package size SMD(5 × 3.2 × 1.3 mm)
- Hermetic sealing provides excellent sustainable environmental capability
- High stability using vibration crystal
- Clipped startup time and low power consumption with sleep mode

Recommended Application

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



Actual size

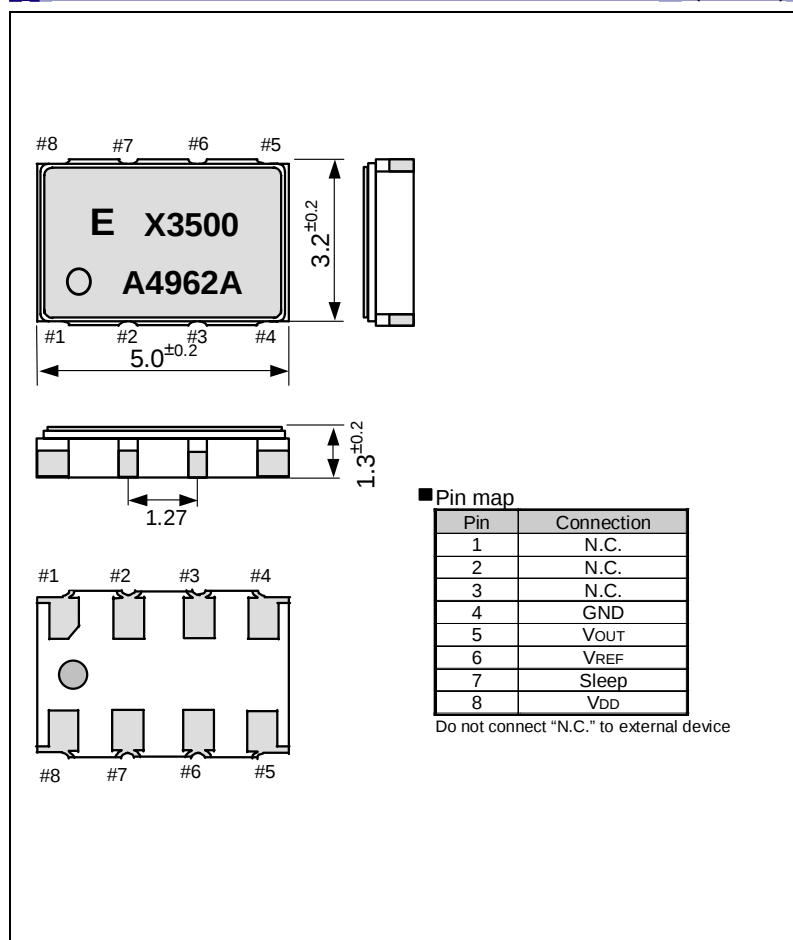


Specifications (characteristics)

Item		Symbol	Specifications	Remarks
Power source Voltage	Operating Voltage	V _{DD}	3.0 V ±0.3 V	V _{SS} =0 V
	Storage Temperature	T _{STG}	-40 °C to +85 °C	
Temperature range	Operating Temperature	T _{OPR}	-20 °C to +80 °C	
Input Voltage		V _{IN}	-0.3 V to V _{DD} +0.3 V	V _{SS} =0 V
Scale Factor		S _o	0.67 mV/deg/s Typ.	
Bias		V ₀	1350 mV Typ.	T _a =+25 °C
Reference Voltage		V _r	1350 mV Typ.	T _a =+25 °C
Rate Range		I	±100 deg/s	For the out of standard specifications, please contact us for inquiries.
Phase Delay		φ ₂₀	4 (Degree)	at 20Hz phase delay angle
Power Consumption	In Operating	I _{op}	1.7 mA Typ.	V ₀ , V _r : Output No load condition
	Sleep Mode	I _{sleep}	1 mA Typ.	V ₀ , V _r : Output No load condition

External Dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

