

SENSOR
ULTRA MINIATURE SIZE VIBRATION GYRO SENSOR
 (angular rate sensor)
XV-2000CK

- Ultra Small Package size SMD (4.0 × 3.0 × 0.85 mm)
- Hermetic sealing provides excellent sustainable environmental capability
- High stability using vibration crystal
- Low noise

Recommended Application

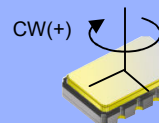
- Optical image stabilization for digital still camera



Product number (please contact us)



Actual size



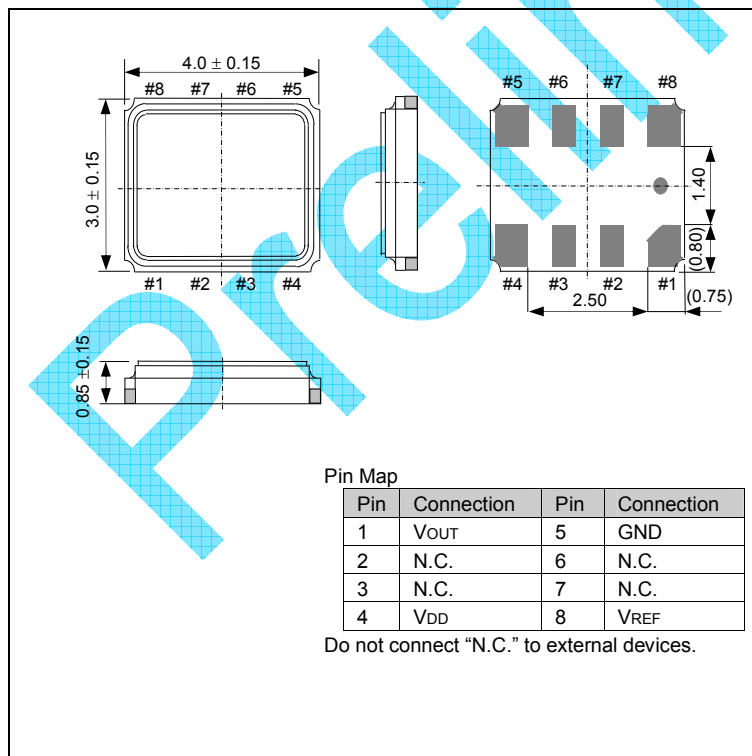
PRELIMINARY

Specifications (characteristics)

Item	Symbol	Specifications	Remarks
Supply voltage	V _{DD}	3.0 V ±0.3 V	V _{SS} =0 V
Temperature range	Storage Temperature	T _{STG}	-40 °C to +85 °C
	Operating Temperature	T _{OPR}	-20 °C to +80 °C
Scale factor	S _o	2 mV/ (°·s ⁻¹) Typ.	
Bias	V _o	1350mV Typ.	T _a =+25 °C
Reference voltage	V _r	1350mV Typ.	T _a =+25 °C
Rate range	I	±100 deg/s	
Non linearity	NI	±5 % FS Max.	T _a =+25 °C
Phase delay	φ ₂₀	4 degree Typ.	at 20Hz phase delay angle
Frequency response	BW	200 Hz Typ.	Phase delay angle 90 deg.
Current consumption	I _{op}	2.2 mA Typ.	V _o , V _r : output no load condition
Noise	r _N	0.004 (°·s ⁻¹)/√Hz Typ.	at 10Hz

External Dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

