



GYRO SENSOR FOR AUTOMOTIVE



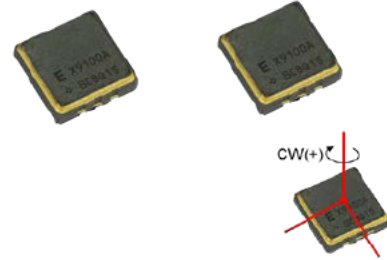
Product number  
XV-9100CD: X2A000221xxxx00  
XV-9300CD: X2A000231xxxx00

XV-9100CD  
XV-9300CD

- Wide temperature support, up to +105degree.
- High reliability by installing the self diagnosis function
- Ultra small and light weight using the original Double-T structure quartz crystal element.
- Excellent performance of shock-resistance and vibration-resistance.
- Conforms to AEC-Q100 (please contact us)

Recommended Application

- Electric Stability Control System / Rollover Protection System



Specifications (characteristics)

Item	Symbol	Specifications		Conditions / Remarks
		XV-9100CD	XV-9300CD	
Supply Voltage	VDD	5.0 V ±0.25 V		
Temperature range	Storage Temperature	-40 C to +105 C		
	Operating Temperature	-40 C to +105 C		
Scale factor	So	0.004 × VDD mV/(°/s)	0.0012 × VDD mV/(°/s)	
Bias	Vo	0.5 × VDD V Typ.		
Rate range	I	±100 °/s	±300 °/s	
Non linearity	NL	±0.5 % FS		
Frequency response	BW	52.6 Hz Typ.		-3dB point
Cross axes	OS	±5 %		Ta=+25 C
Current consumption	Iop	6.7 mA Typ.		Vo : Output No load condition
Noise	rN	1.0 (°/s) p-p Max.	3.3 (°/s) p-p Max.	5kHz sampled at 200ms
Start-up time	TACT	300 ms Max.		

Product Name  
(Standard form)

XV-9100 CD  
① ②  
①Model

\*\* \*\*\*\*\* kHz  
③  
③Frequency (not necessary to specify )

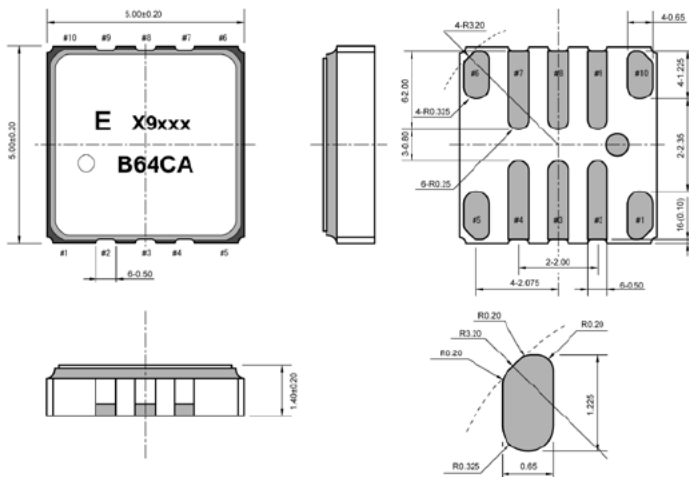
External Dimensions

(Unit:mm)

Footprint (Recommended)

(Unit:mm)

•XV-9100CD / XV-9300CD



Pin map

Pin	XV-9100/9300CD
1	GND
2	CLK
3	DIAG
4	VDD
5	GND
6	N.C.
7	Vout
8	GND
9	CHECK
10	N.C.

Do not connect "N.C." pins externally devices.

•XV-9100CD / XV-9300CD

