PEI-Z210-PCB-V2 two axis tilt sensor

General description

- +/-10°
- Intended to be mounted horizontally
- 0-10V analog voltage output
- 12V Power suppply

Electrical characteristics

Parameter	Condition	Min.	Type	Max.	Units
Supply voltage		11	12	14	V（DC）
Static operating current	Without load		6	8	mA
Output impedance	Resistive		10		KΩ
	Capacitive			20	nF
Operating temperature		－40		+85	℃

Performance characteristics

Parameter	Condition	Min.	Type	Max.	Units
Measuring range			±10		°
linearity range			±10		°
resolution			0.005		°
Output voltage at zero	Vcc=12.0V	4.97	5.00	5.03	V
Temperature drift at zero	-5～+50℃		±0.05	±0.15	°
	-25～+70℃		±0.2	±0.4	°
Non-linearity			±0.15	±0.3	%/FS
Sensitivity	Vcc=12.00V	495	500	505	mV/°
Sensitivity error			±1		%

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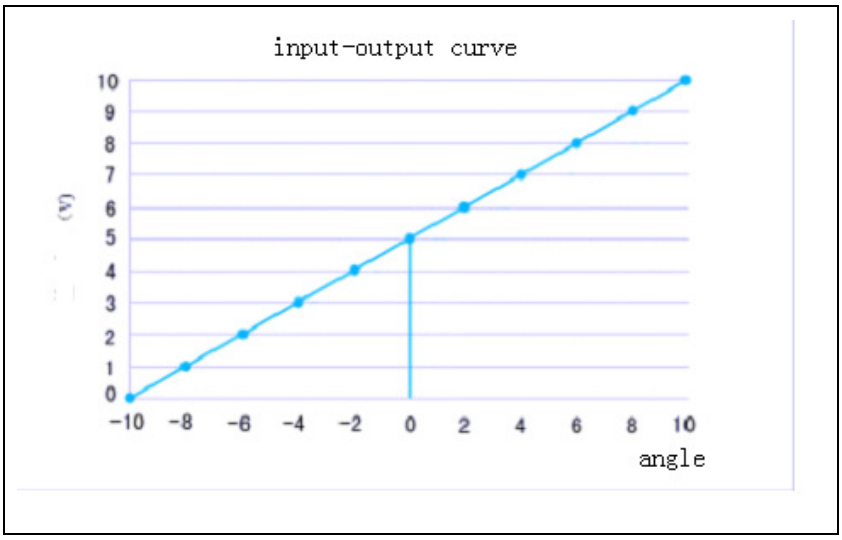
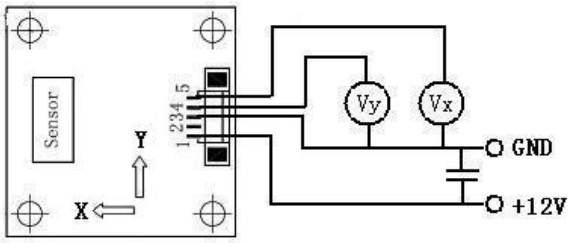
Input-output characteristics



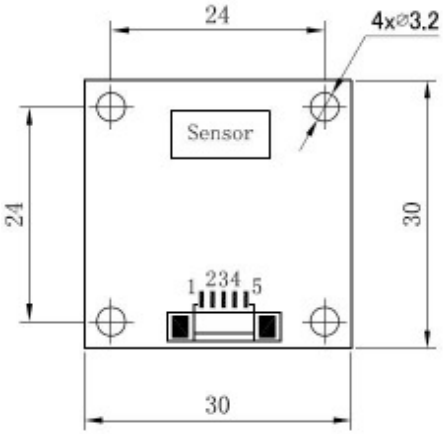
Definition of connection and size



CONNECTION

PIN#	Name	Function
1	Vcc	Power supply
2	NC	Not connected
3	GND	Ground
4	Vy	Y axis output
5	Vx	X axis output

SIZE



Specifications are subject to change without notice.

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