

NW25H2000X

Pressure sensor

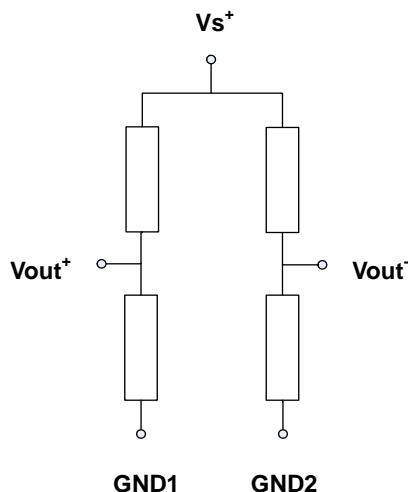
FEATURES

- Sensor size: 2.5 x 2.5 mm²
- Temperature Range: -40°C~250°C
- Range: 0~2000 kpa

APPLICATION

- Industrial control
- For absolute pressure sensor system
- For differential pressure sensor system

ELECTRICAL CONNECTIONS



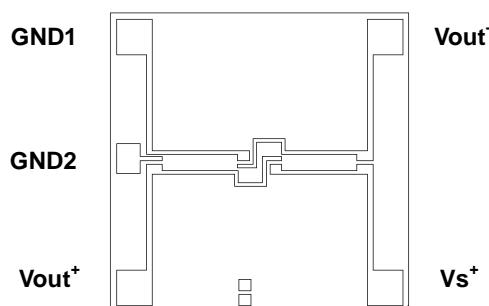
Vs⁺: Supply voltage of Wheatstone bridge

Vout⁺: Positive output

Vout⁻: Negative output

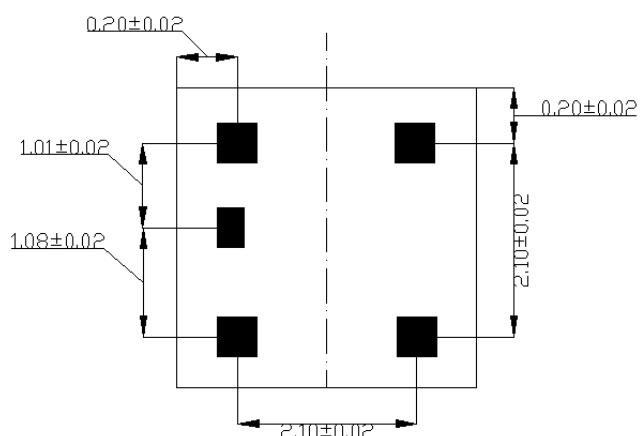
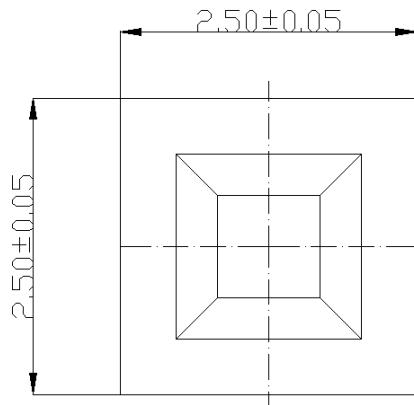
GND1 and GND2: Ground

PAD OUT



As the sensing elements are diffused resistances, the voltage applied on the ground pads (GND1 and GND2) has to be lower than the voltage applied on supply voltage pad (Vs⁺).
(Positive pressure)

LAYOUT (Unit: mm)



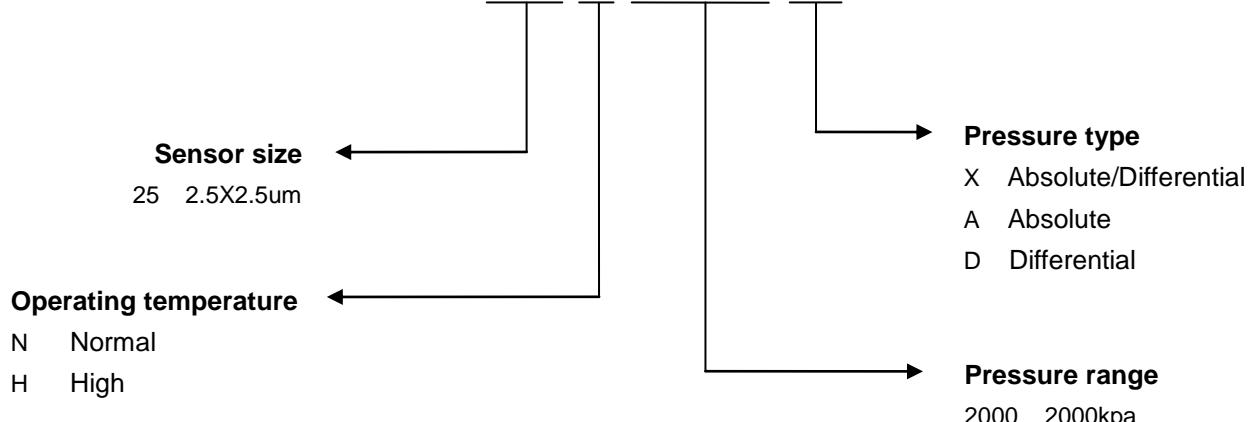
SPECIFICATIONS

(Reference conditions: Supply Voltage VS+=5Vdc; Ambient Temperature Ta=30°C)

Parameter	Min	Typ	Max	Unit
Operating Pressure Range	0	-	2000	kpa
Operating Temperature Range	-40	-	250	°C
Bridge Resistance	4.5	5	5.5	kΩ
Full-scale span(FS)	40	50	60	mV
Zero Pressure Offset	-20	0	+20	mV
Linearity	0.1	0.2	0.3	%FS
Temperature Coefficient	Resistance	500	700	ppm/°C
	Span	-1000	-1500	ppm/°C
	Offset	-60	-	μV/°C
Pressure Hysteresis	-	-	0.2	%FS
Repeatability	-	-	0.2	%FS
Temperature Hysteresis	-	-	0.2	%FS
Supply voltage	-	5	10	V
Storage temperature	-40	-	250	°C
Pressure overload			3X	

ORDERING INFORMATION

NW 25 H 2000 X



FACTORY CONTACTS

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