



Features

- ◆ Low cost
- ◆ Gauge Version and Absolute Version
- ◆ Constant Current or Constant Voltage Drive
- ◆ High Output
- ◆ Wide Pressure Range Available From 1psi to 60psi

Applications

- ◆ Medical Instrumentation
- ◆ Altimeter
- ◆ Weather Forecast
- ◆ Tire Gauge
- ◆ Pressure Gauge
- ◆ Industrial Sensor
- ◆ Home Appliances



Specification

Type of pressure	Gauge type or Absolute type
Dimension	1.9mm × 1.9mm × 1.1mm (typical)
Pressure medium	Dry air or non-corrosive gas

	Min	Nominal	Max	Unit
Excitation Voltage		5	10	V
Excitation Current		1.00	2.00	mA
Bridge Impedance	4	5	6	kΩ
Span ¹				
1 psi	20	30	40	mV
5.8 psi	50	70	90	mV
5.8 psi *	75	100	125	mV
15 psi	75	100	125	mV
15 psi **	130	170	210	mV
30 psi	70	100	130	mV
60 psi	140	190	240	mV
Offset	-30	0	30	mV
TC Span ² (Constant Voltage)	-0.17	-0.22	-0.27	%FS/°C
TC Span ² (Constant Current)	-0.05	±0.02	+0.05	%FS/°C
TC Offset ²	-0.08	-0.02	+0.08	%FS/°C
Linearity ³	-0.3	±0.1	+0.3	%FS
Hysteresis	-0.3	±0.1	+0.3	%FS
Proof Pressure			2X	Rated FS
Burst Pressure			3X	Rated FS
Operating Temperature	-40		125	°C
Storage Temperature	-55		150	°C

¹ Unless otherwise specified, span is measured at 5.0V Constant Voltage supply at 25°C. Sensor outputs a positive signal when diaphragm deflects upward.

² Unless otherwise specified, temperature coefficients are measured from 0°C to 50°C @ 5V Constant voltage excitation.

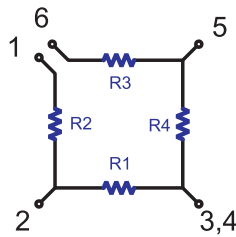
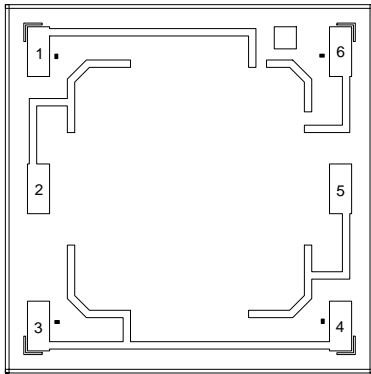
³ Defined as best straight line.

* 5.8 psi high sensitivity type

** 15 psi high sensitivity type, linearity characterized at 700mbar and 1100mbar



Pads Layout and Definition



Positive output

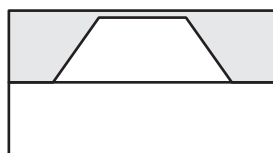
Pad #	Definition
1	Gnd
2	S+
3	Ext
4	Ext
5	S-
6	Gnd

Ordering Information

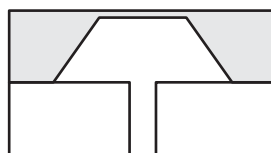
US – 9173 - □□□ - □

001	1 psi
006	5.8 psi
H06	5.8 psi High sensitivity type
005	15 psi
H15	15 psi High sensitivity type
030	30 psi
060	60 psi

A	Absolute type
G	Gauge type
E	None glass type



Absolute type



Gauge type



None glass type