



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 package	DIP or SMT
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	40	70	100	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.

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

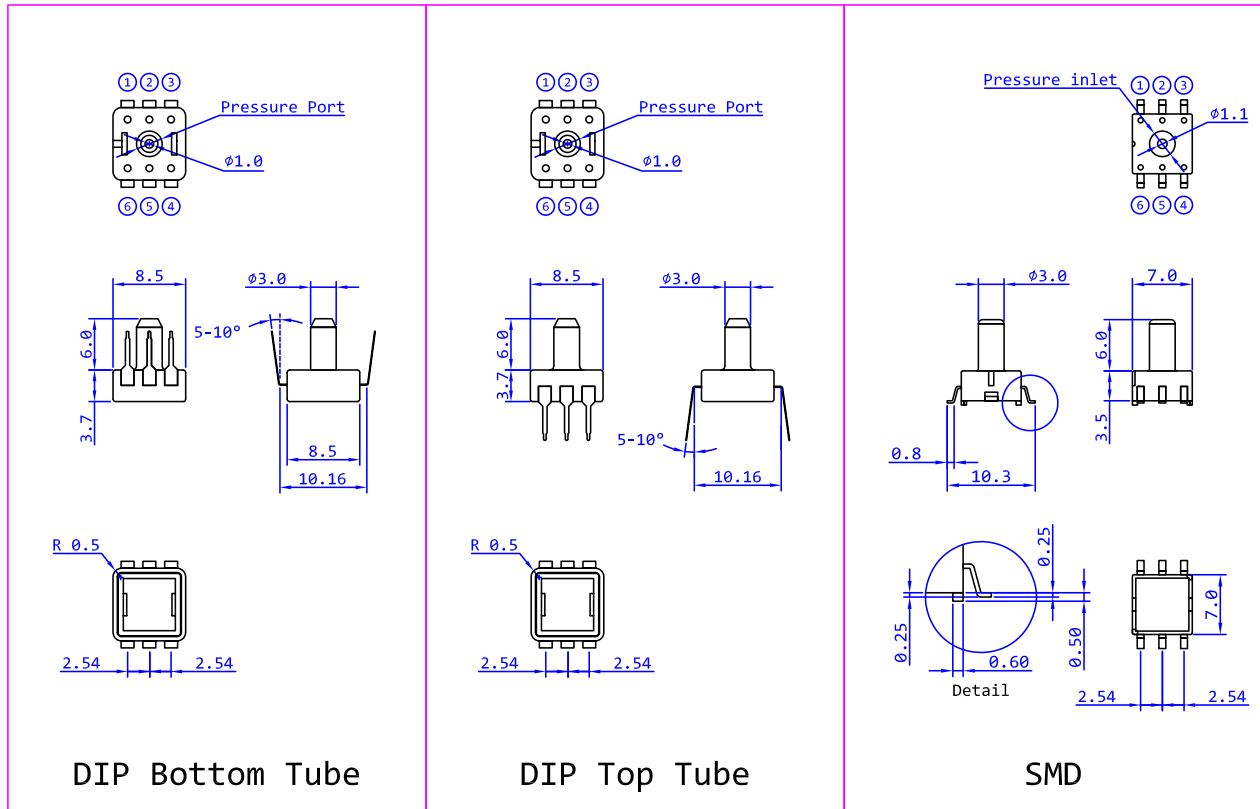
³ Defined as best straight line.

* 5.8 psi high sensitivity type

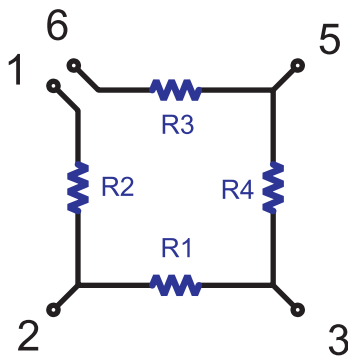
** 15 psi high sensitivity type, linearity characterized at 700mbar and 1100mbar

Pads Layout and Definition

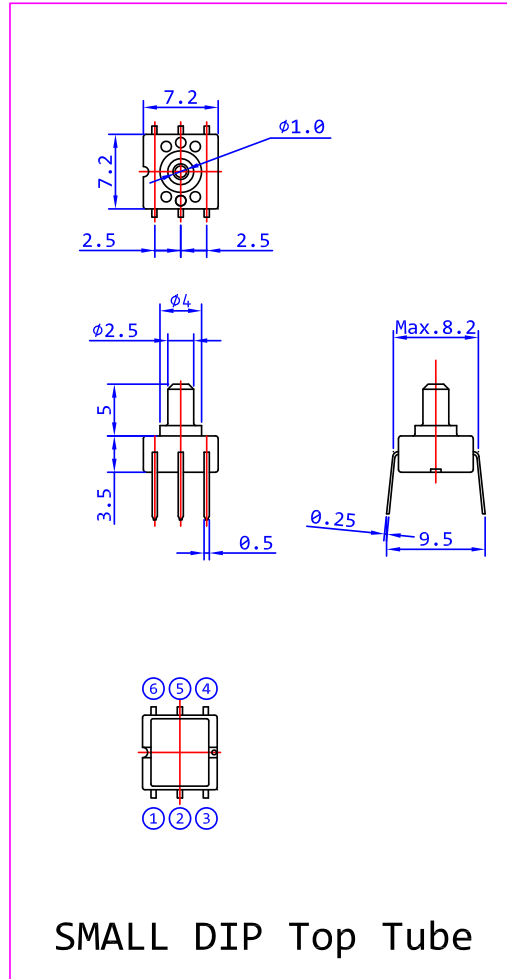
Tube type



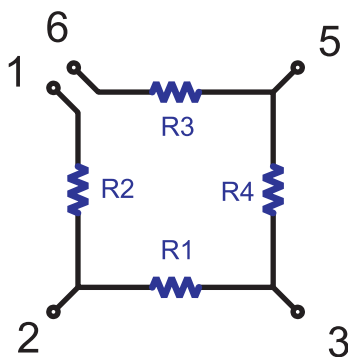
Unit: mm



Pin	Definition
1	Gnd
2	S+
3	Ext
4	N/C
5	S-
6	Gnd

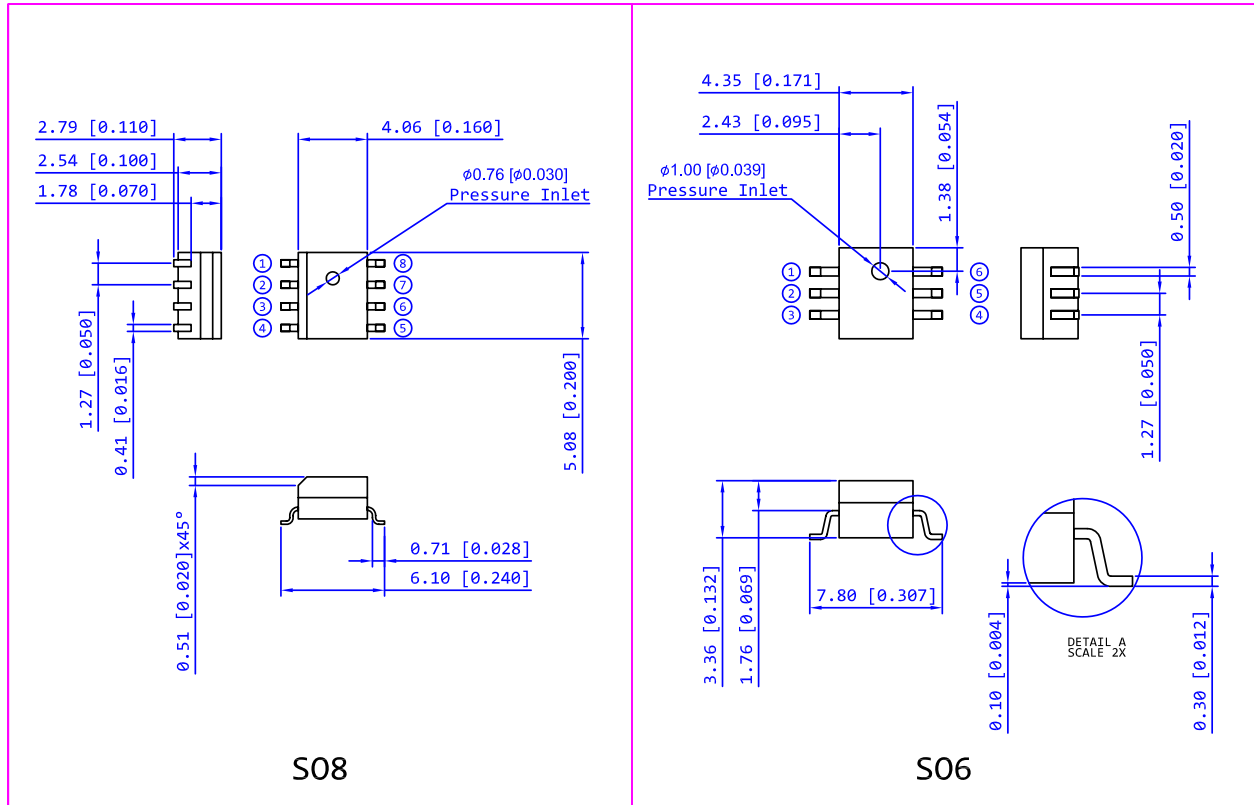


Unit: mm

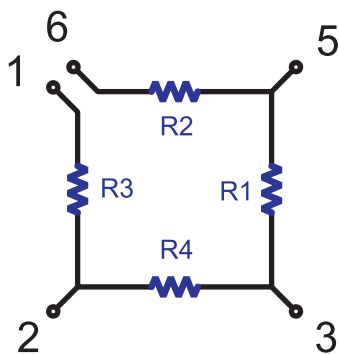


Pin	Definition
1	Gnd
2	S+
3	Ext
4	N/C
5	S-
6	Gnd

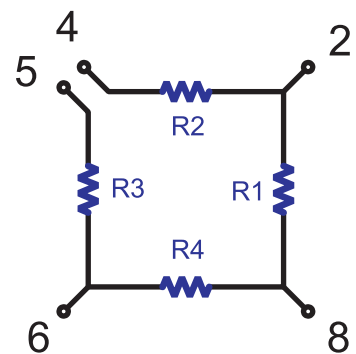
Hole type



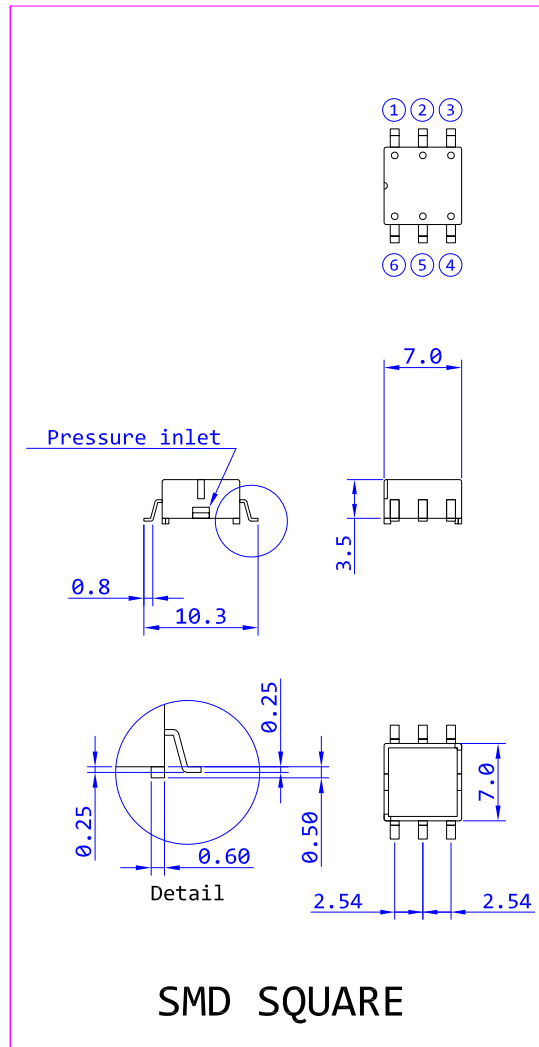
Unit: mm[in]



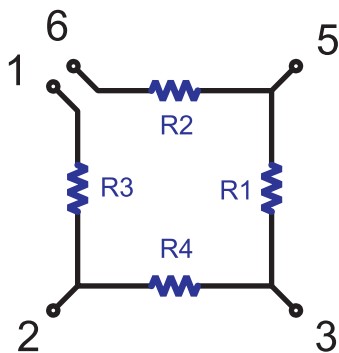
SO6	Pin	SO8
Gnd	1	N/C
S-	2	S+
Ext	3	N/C
N/C	4	Gnd
S+	5	Gnd
Gnd	6	S-
	7	N/C
	8	Ext



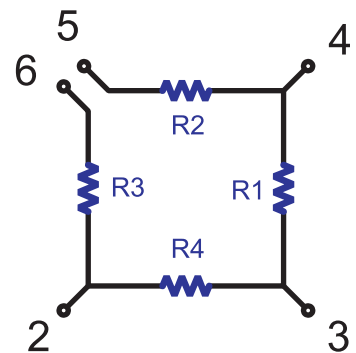
Hole type



Unit: mm



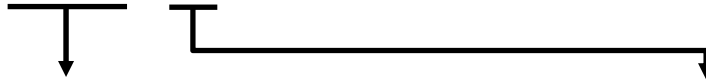
H15	Pin	D15
Gnd	1	N/C
S-	2	S-
Ext	3	Ext
N/C	4	S+
S+	5	Gnd
Gnd	6	Gnd





Ordering Information

US – 9111 - □□□ - □



001	1 psi
006	5.8 psi
H06	5.8 psi High sensitivity type
015	15 psi
D15	15 psi High sensitivity type
H15	15 psi High sensitivity type
030	30 psi
060	60 psi

D	DIP Top tube
U	DIP Bottom tube
S	SMT Top tube
R	SMT Hole
6	SO6 Hole
8	SO8 Hole
N	SMALL DIP Top tube