

Pressure Sensor

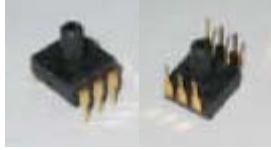
YME-2680 Series

■ Features

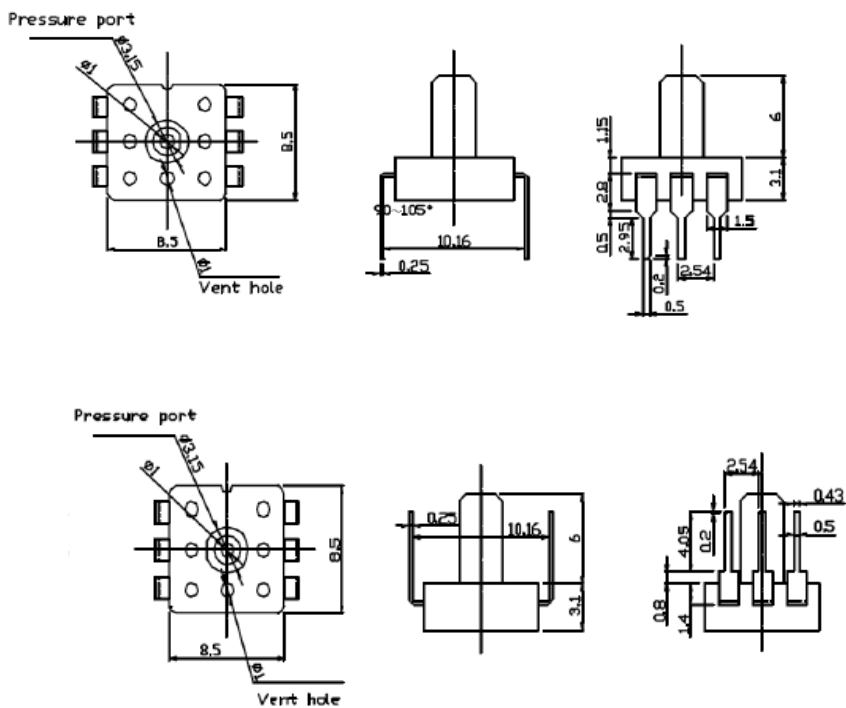
- DIP package
- Wide operating temperature range:- 40 to +85°C
- Solid-state reliability
- Easily Embedded in OEM Equipment
- Gauge pressure type (1、 5.8、 15、 30 PSI)
- Constant Current or Constant Voltage Drive

■ Applications

- Digital blood pressure meter
- Digital pressure gauges
- Environmental monitoring
- Consumer & sports
- Medical instrumentation & monitoring
- Disposable blood pressure sensor

Pressure type	Gauge
	YME-2680series
Model	

■ Outline dimensions



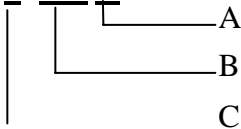
UNIT:mm

■ Specifications

Parameter	Min	Typ	Max	Units	Notes
General					
Pressure Range	5.8 · 15			PSIG	40 KPaG
Maximum Overpressure			2X		Rated pressure
Operating Temperature Range	-40		85	°C	-40 °F ~+185°F
Storage Temperature Range	-40		125	°C	-40 °F ~+257 °F
Operating humidity	15		85	% RH	No condensation
Media Compatibility	Clean, dry air & noncorrosive gases				
Electrical performance⁽¹⁾					
Excitation voltage		5	15	Vdc	
Excitation current	1. 0	1.5	2	mA	
Bridge resistance 5kOhm (YMP-3680)	4	5	6	kΩ	
Offset Voltage	-25		25	mV	
Full Scale Span Voltage					
1.0 PSI (YME-2681)	20	30	40	mV	(1)
5.8 PSI (YME-2681)	50	75	100		
5.8 PSI (YME-2682)	75	100	125		
15 PSI (YME-2681)	75	100	125		
15 PSI (YME-2682)	130	170	210		
30 PSI (YME-2681)	75	100	125		
Linearity	-0.3		0.3	% Span	(2)
Temperature Coefficient of Zero Offset	-0.08		0.08	% Span/°C	(3)
Temperature Coefficient of Span		-0.21 (4) -0.005 (5)		%Span/°C	(3)
Temperature Coefficient of Resistance		0.2		%/°C	(3)
Notes :					
1. Unless otherwise specified, measurements were taken with a supply voltage of 5 Vdc at a temperature of 25±3°C and humidity ranging from 25% ~85% .					
2. Best fit straight line.					
3. Between 0 °C and 50 °C. Temperature coefficients are typical values.					
4. Measured only with constant voltage excitation (5V) .					
5. Measured only with constant current excitation (1.5mA) .					

■ Ordering information

YME-268 0- 006 G



A	Pressure type	B	Pressure range
G	Gauge	001	1.0PSI
		006	5.8PSI
		015	15PSI
		030	30 PSI
C			
1	Low sensitivity		
2	High sensitivity		