26PC SMT PERFORMANCE CHARACTERISTICS (AT 10 VDC ±0.01 VDC EXCITATION, 25 °C)

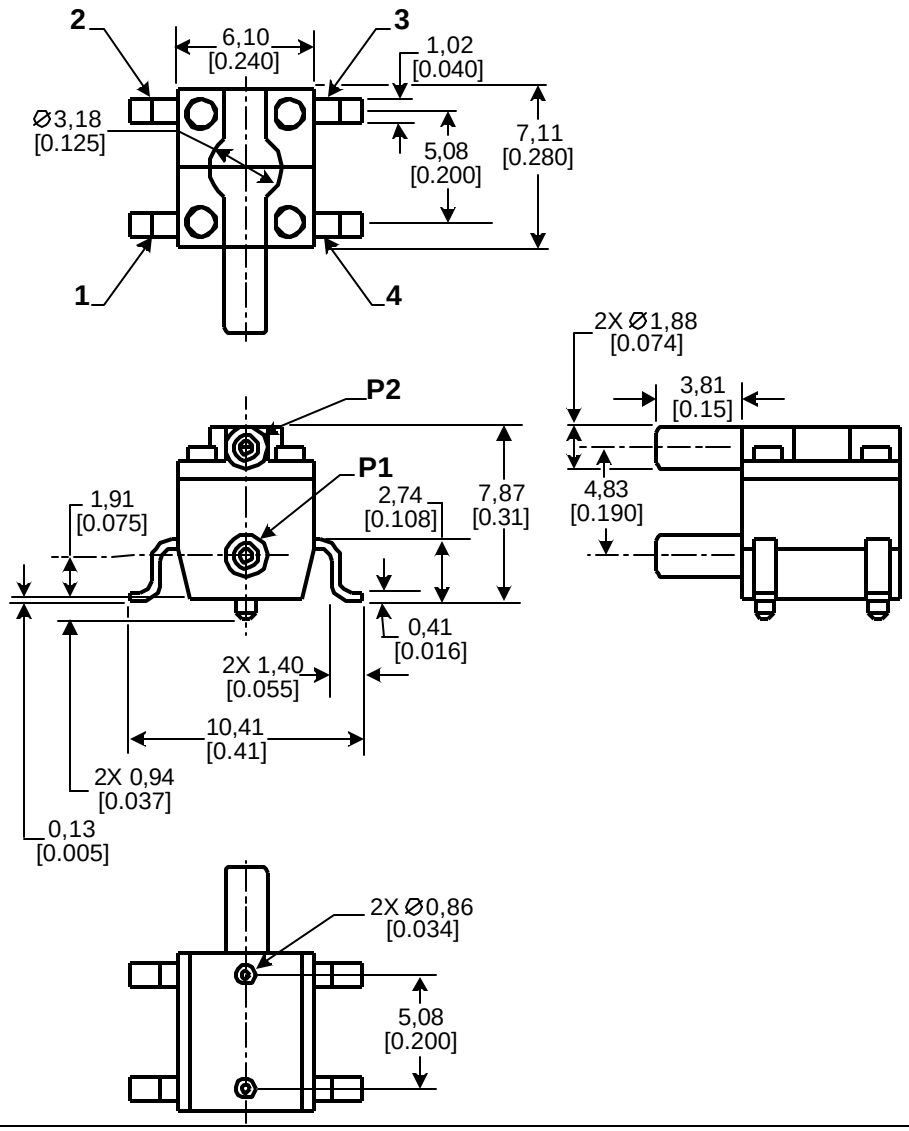
	Min.	Typ.	Max.	Units
Excitation Voltage	—	10.0	16.0	Vdc
Response Time	—	—	1.0	ms
Input Resistance	5.5 k	7.5 k	11.5 k	Ohm
Output Resistance	1.5 k	2.5 k	3.0 k	Ohm
Span P2>P1[1]	**Min.**	**Typ.**	**Max.**	
0 to 1	14.7	16.7	18.7	mV
0 to 5	47	50	53	mV
0 to 15	96	100	104	mV
Null Offset	**Min.**	**Typ.**	**Max.**	
0 to 1	-2.0	0	+2.0	mV
0 to 5	-2.0	0	+2.0	mV
0 to 15	-2.0	0	+2.0	mV
Linearity (BFSL P2>P1)		**Typ.**	**Max.**	
0 to 1	—	±0.50	±1.75	% span
0 to 5	—	±0.50	±1.5	% span
0 to 15	—	±0.50	±1.0	% span
Null Shift 25 °C to 0 °C, 25 °C to 50° C[2]		**Typ.**	**Max.**	
0 to 1	—	—	±1.0	mV
0 to 5	—	—	±1.0	mV
0 to 15	—	—	±1.0	mV
Span Shift 25 °C to 0 °C, 25 °C to 50° C[2]		**Typ.**	**Max.**	
0 to 1	—	±1.5	±4.5	% span
0 to 5	—	±1.0	±1.7	% span
0 to 15	—	±0.75	±1.5	% span
Repeatability and Hysteresis		**Typ.**	**Max.**	
0 to 1	—	±0.2	—	% span
0 to 5	—	±0.2	—	% span
0 to 15	—	±0.2	—	% span
Overpressure P2>P1; P1>P2		**Typ.**	**Max.**	
0 to 1	—	—	20	psi
0 to 5	—	—	20	psi
0 to 15	—	—	45	psi

Notes:
1. Span is the algebraic difference between output at maximum rated operating pressures and output at 0 psi.
2. Temperature error is calculated with respect to 25 °C.

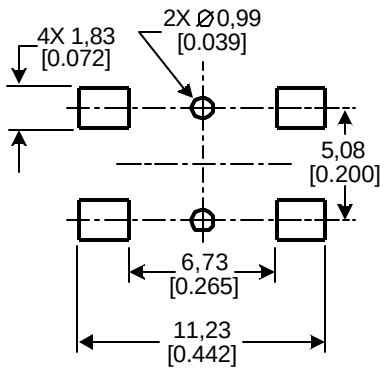
SPECIFICATIONS

Characteristic	Description
Storage Temperature	-55 °C to 100 °C [-67 °F to 212 °F]
Operating Temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Compensated Temperature	0 °C to 50 °C [32 °F to 122 °F]
Alignment Pins	0,86 mm [0.034 in] diameter pins extend through PCB
Port Diameter	1,88 mm [0.074 in] diameter uses standard 0,59 mm [0.0625 in] ID tubing
Port Orientation	Parallel to PCB (low profile on board)
Pick Up Feature	3,18 mm [0.125 in] feature on port cover
SMT Solder	• Sn 96.5 Ag 3.5 No Clean Flux • Sn 63 Pb 37 No Clean Flux
SMT Reflow Profile	Max peak temperature of 260 °C [500 °F] for 10 seconds
Media Compatibility	Both ports are limited to media that are compatible with polyphthalamide, fluorosilicone and silicon.
Shock	Qualification tested to 150 g
Vibration	MIL-STD-202. Method 213 (150 g half sine 11 ms)
Weight	0.5 grams [0.0176 oz]

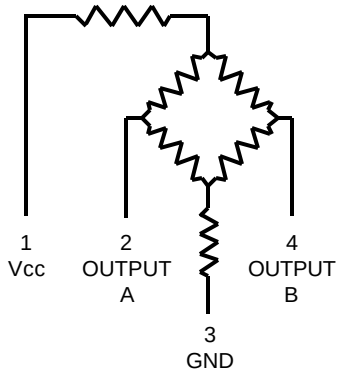
MOUNTING DIMENSIONS mm[in] (for reference only)



SUGGESTED LAND PATTERN



CIRCUIT DIAGRAM



OUTPUT VOLTAGE

Output A increases as P2 pressure increases.

Output B decreases as P2 pressure increases.

Microstructure Pressure Sensors
26PC SMT (1 psi, 5 psi,15 psi)

26PC SMT Series

DATE CODE

_ _ _ _ _ _

Week: Two Digits

Year: Four Digits

CATALOG LISTING NOMENCLATURE

26 PC __ SMT

Package Style: SMT (Surface Mount Technology)

Pressure Range:
- 01 = 1 psi
- 05 = 5 psi
- 15 = 15 psi

Family: PC

Type: Compensated

BRANDING SCHEME

6 __ F

Seal: Fluorosilicone

Pressure Range:
- 01 = 1 psi
- 05 = 5 psi
- 15 = 15 psi

Type: Compensated

TECHNICAL NOTES

Technical Notes that provide further application information on the 26PC SMT are available on the Honeywell web site at: ***http://www.honeywell.com/sensing/prodinfo/pressure/20pc***

WARRANTY/REMEDY

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While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

For application assistance, current specifications, or name of the nearest Authorized Distributor, check the Honeywell web site or call:
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Printed with Soy Ink on 50% Recycled Paper
008065-1-EN IL50 GLO 0601 Printed in USA