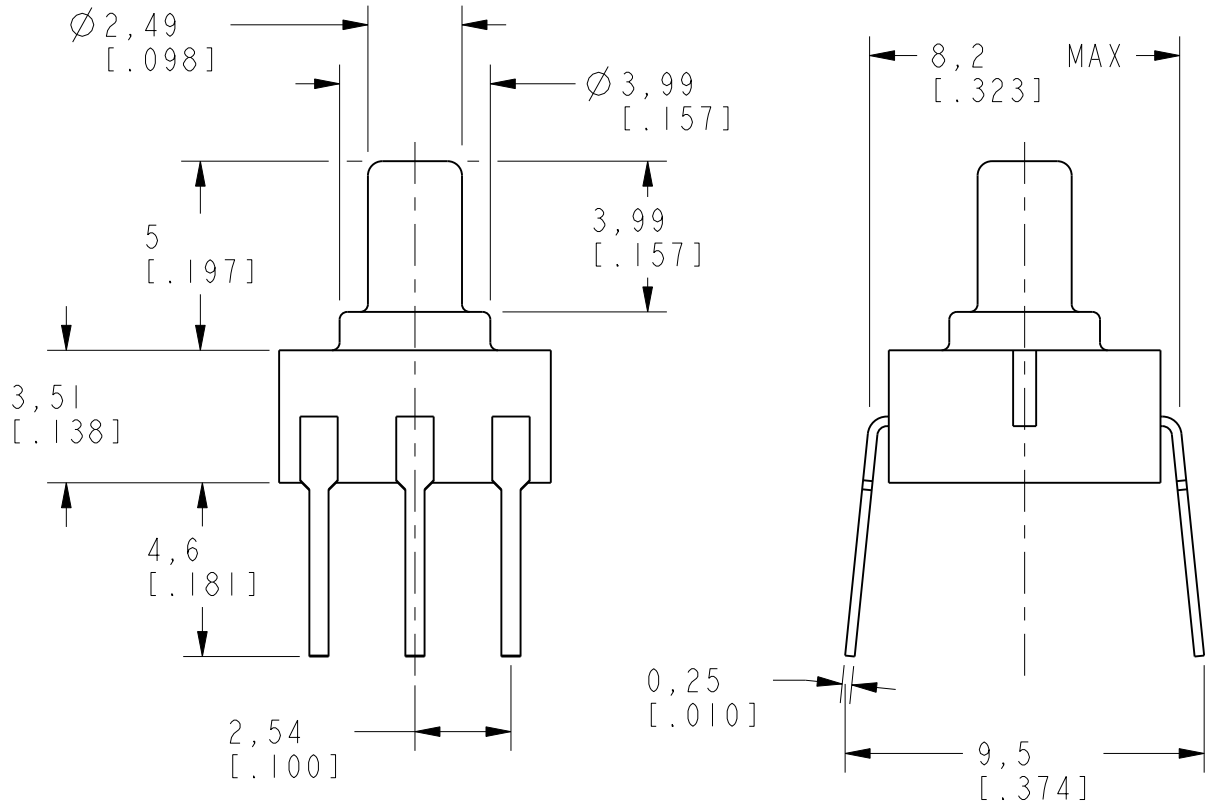
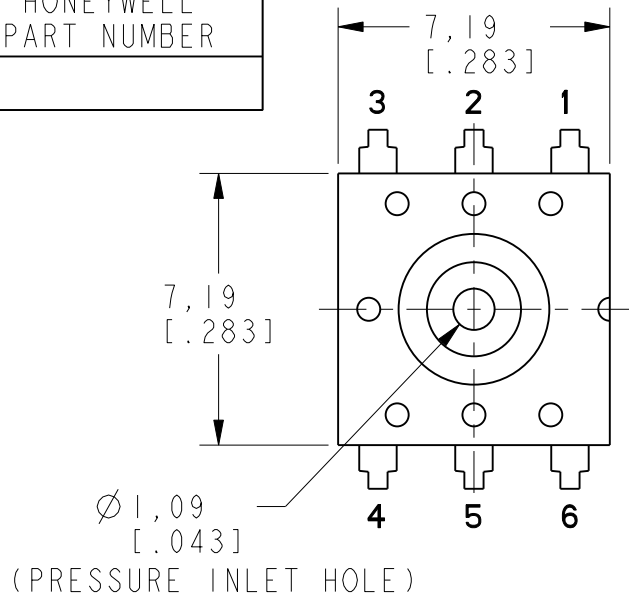


HONEYWELL
PART NUMBER

GAGE/DIP PACKAGE

TERMINAL CONNECTION TABLE	
1-POWER SUPPLY(+)	4-POWER SUPPLY(-)
2-OUTPUT(+)	5-OUTPUT(-)
3-POWER SUPPLY(-)	6-NO CONNECTION



PART NUMBER DESCRIPTION

HPX  PACKAGE - **D** (DIP)
STYLE - **S** (SOIC)
MEASUREMENT TYPE - **A** (ABSOLUTE)
- **G** (GAGE)
PRESSURE RANGE - **005** (5.8 PSI)
- **015** (15 PSI)
- **030** (30 PSI)
- **050** (50 PSI)
- **100** (100 PSI)

REV	DOCUMENT	CHANGED BY	CHECK
A	0008041	DVM 20OCT04	AK

GENERAL SPECIFICATIONS

	MIN	TYP	MAX	UNITS
EXCITATION		3.0	10.0	VDC
INPUT IMPEDANCE	4K	5K	6K	OHMS
OUTPUT IMPEDANCE	4K	5K	6K	OHMS

ENVIRONMENTAL SPECIFICATIONS

OPERATING (DIP PACKAGE)	-20°C TO 100°C[-4°F TO 212°F]
OPERATING (SOIC PACKAGE)	-40°C TO 125°C[-40°F TO 257°F]
STORAGE	-40°C TO 125°C[-40°F TO 257°F]
VIBRATION	10g AT 20Hz to 2000Hz
WEIGHT	<1 GRAM
LIFE (HPX005GD)	100K CYCLES
LIFE (ALL OTHERS)	1 MILLION CYCLES MINIMUM
LEAD SOLDER TEMPERATURE (DIP PACKAGE)	DIP SOLDER BATH-MAX 250°C (482°F) FOR 5 SECONDS
SMT SOLDER (SOIC PACKAGE)	Sn 96.5 Ag 3.5 NO CLEAN FLUX Sn63 Pb 37 NO CLEAN FLUX
SMT REFLOW PROFILE (SOIC PACKAGE)	MAX PEAK TEMPERATURE OF 250°C (482 °F) FOR 10 SECONDS

PERFORMANCE CHARACTERISTICS

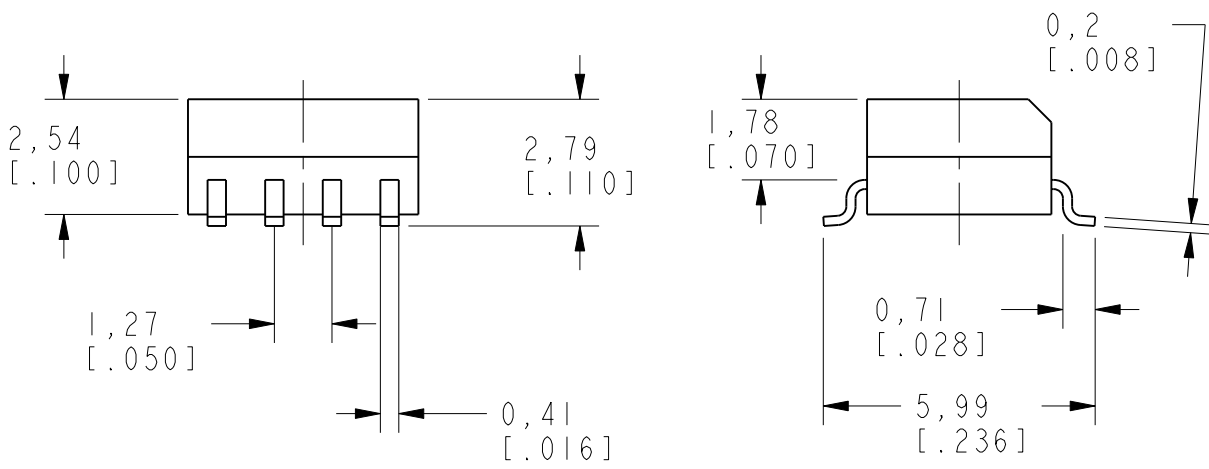
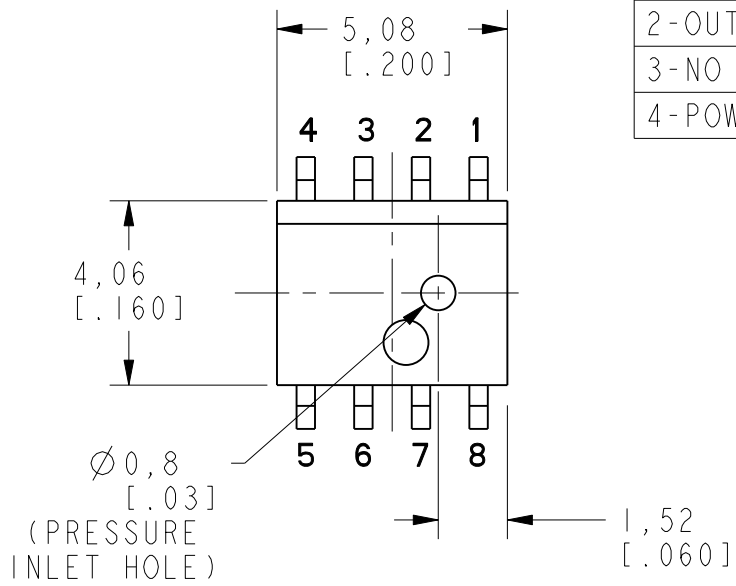
CATALOG LISTING	PRESSURE RANGE	LINEARITY % SPAN	HYSTERESIS % SPAN	NULL OFFSET (mV)	SPAN (mV)	OVER-PRESSURE (PSI MAX)	RESPONSE TIME (mSEC) MAX	TEMPERATURE COEFFICIENT OF NULL OFFSET (%SPAN/°C)	TEMPERATURE COEFFICIENT OF SPAN (%SPAN/°C)
HPX005GD	5.8 PSI (300mm Hg)	±0.5	±0.5	±20	40±12	15	1.0	±0.08	-0.1 TO -0.3
HPX015GD	15 PSI	±0.3	±0.3	±30	42±12	45	1.0	±0.08	-0.1 TO -0.3
HPX030GD	30 PSI	±0.3	±0.3	±30	60±20	90	1.0	±0.08	-0.1 TO -0.3
HPX050GD	50 PSI	±0.3	±0.3	±30	60±20	150	1.0	±0.08	-0.1 TO -0.3
HPX100GD	100 PSI	±0.3	±0.3	±30	60±20	300	1.0	±0.08	-0.1 TO -0.3
HPX015AS	15 PSI	±0.3	±0.3	±30	87±18	45	1.0	±0.08	-0.1 TO -0.3
HPX030AS	30 PSI	±0.3	±0.3	±30	60±20	90	1.0	±0.08	-0.1 TO -0.3
HPX050AS	50 PSI	±0.3	±0.3	±30	60±20	150	1.0	±0.08	-0.1 TO -0.3
HPX100AS	100 PSI	±0.3	±0.3	±30	60±20	300	1.0	±0.08	-0.1 TO -0.3

NOTES

- 1 - REFERENCE CONDITIONS (UNLESS OTHERWISE NOTED) : SUPPLY VOLTAGE $V_s = 3.0 V_{dc}$
 $T_a = 25^{\circ}C [77^{\circ}F]$. OUTPUT IS RATIOMETRIC WITHIN THE SUPPLY VOLTAGE RANGE (V_s)
2 - TEMPERATURE COEFFICIENTS ARE TYPICAL VALUES BETWEEN $-20^{\circ}C$ AND $+100^{\circ}C$
3 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT VOLTAGE AT THE SPECIFIED PRESSURE AND THE OUTPUT AT ZERO PRESSURE. SPAN IS RATIOMETRIC TO THE SUPPLY VOLTAGE
4 - RESPONSE TIME FOR 0 PSI TO FULL-SCALE PRESSURE STEP CHANGE, 10% TO 90% RISE TIME.

ABSOLUTE/SOIC PACKAGE

TERMINAL CONNECTION TABLE	
1-NO CONNECTION	5-POWER SUPPLY(-)
2-OUTPUT(+)	6-OUTPUT(-)
3-NO CONNECTION	7-NO CONNECTION
4-POWER SUPPLY(-)	8-POWER SUPPLY(+)



DESIGN UNITS: INCH TOLERANCES UNLESS NOTED:	DRAWN D J S	20SEP04	Honeywell	
NO PLACE .X ± 0.400 ONE PLACE .X ± 0.030 TWO PLACE .XX ± 0.015 THREE PLACE .XXX ± 0.005 FOUR PLACE .XXXX ± 0.0005 ANGLES X ± 3	CHECK -	-		
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE PRESSURE SENSOR	
INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE C	TYPE I
THIRD ANGLE PROJECTION 			DRAWING NAME HPX SERIES CHART 1	REV A
Pro/ENGINEER 3D			SCALE NONE	SHEET 1 OF 1

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