


REV	DOCUMENT	CHANGED BY	CHECK
A	0008041	DVM 20OCT04	AK

GAGE/DIP PACKAGE

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

PART NUMBER DESCRIPTION

HPX  PACKAGE STYLE - **D** (DIP)
 - **S** (SOIC)

MEASUREMENT TYPE - **A** (ABSOLUTE)
 - **G** (GAGE)

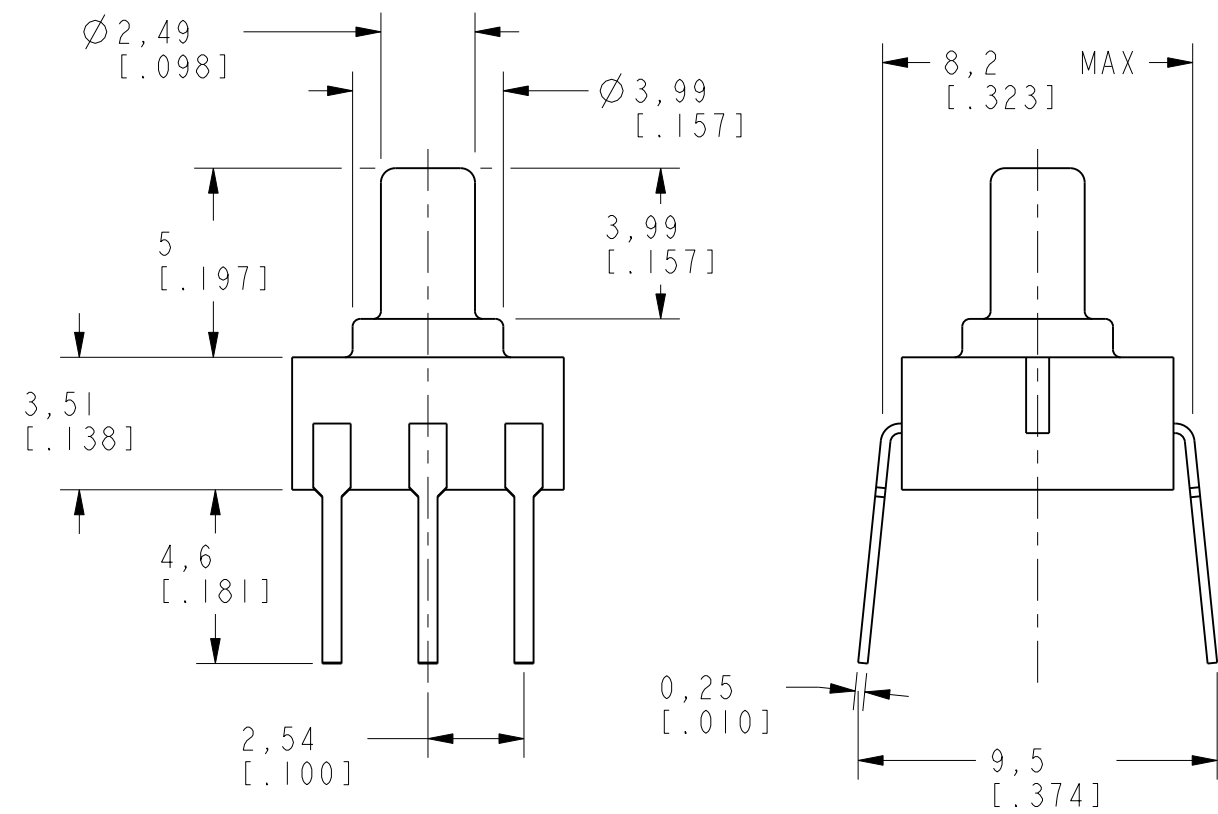
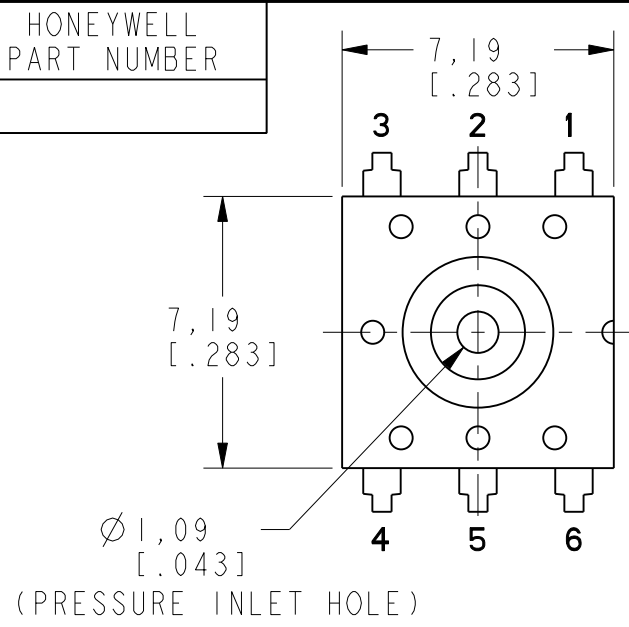
PRESSURE RANGE - **005** (5.8 PSI)
 - **015** (15 PSI)
 - **030** (30 PSI)
 - **050** (50 PSI)
 - **100** (100 PSI)

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

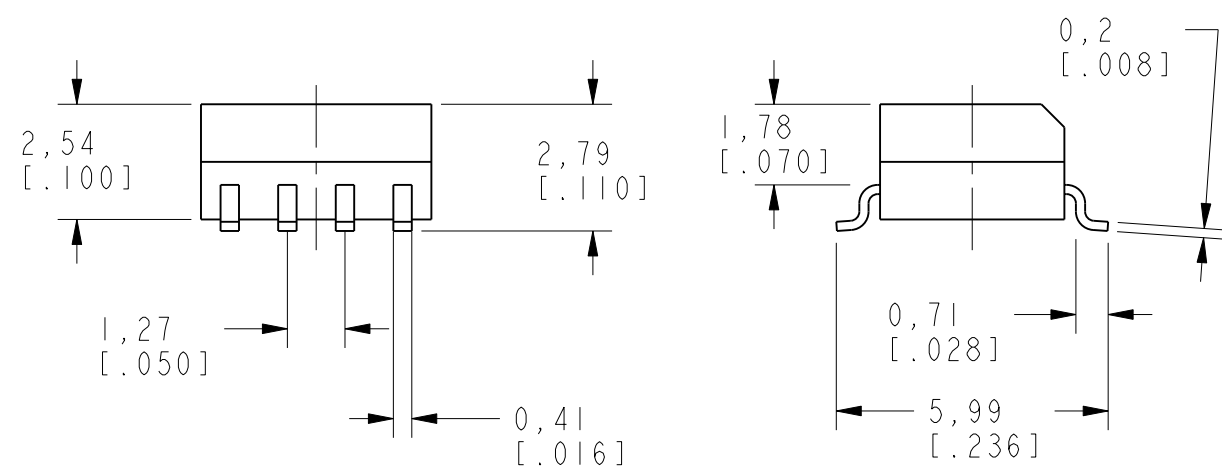
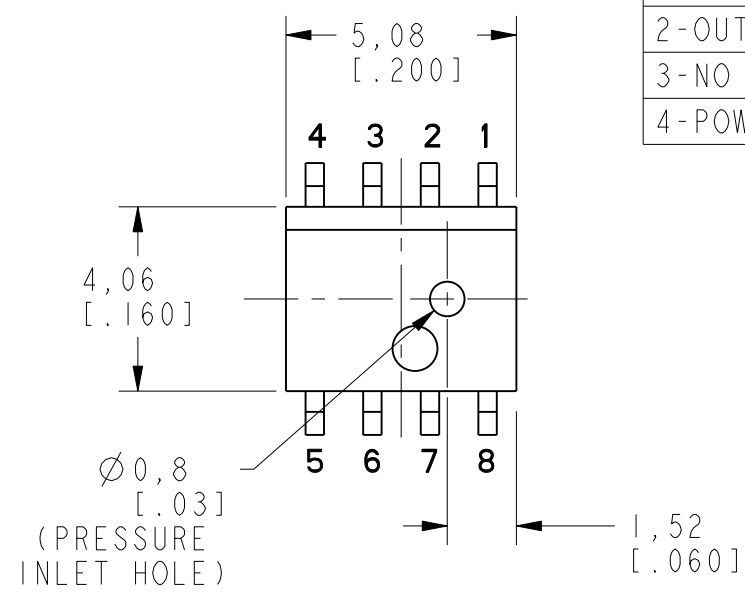


PERFORMANCE CHARACTERISTICS

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


ABSOLUTE/SOIC PACKAGE

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



NOTES

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

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 - -				TITLE PRESSURE SENSOR
THIRD ANGLE PROJECTION 	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.	SIZE C	TYPE I	DRAWING NAME HPX SERIES CHART 1	REV A
	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY	SCALE NONE		SHEET 1 OF 1	