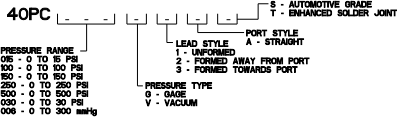


LEAD PIN OUT	Pin	1	2	3	4	5	6
Output	1	2	3	4	5	6	7

LEAD STYLE 1



- NOTES**
- ⚠ TEMPERATURE ERROR IS THE MAXIMUM DEVIATION FROM 25° PERFORMANCE OVER THE ENTIRE TEMPERATURE RANGE SHOWN
 - ⚠ ACCURACY IS DEFINED AS THE 25C, RSS ERRORS FOR LINEARITY, HYSTERESIS AND REPEATABILITY
 - ⚠ TOTAL ACCURACY IS THE MAXIMUM DEVIATION FROM THE 25C REFERENCE TRANSFER FUNCTION AT ANY PRESSURE OR TEMPERATURE OVER THE SPECIFIED RANGES
 - ⚠ OUTPUT CAN BE SHORTED TO THE POSITIVE TERMINAL OR THE GROUND TERMINAL
 - ⚠ PRODUCT BOX TESTED AT THE -45 TO +85°C RANGE ONLY
 - ⚠ INPUT MEDIA:
 - P1 - DRY GASES ONLY; MEDIA MUST BE COMPATIBLE WITH EPOXY BASED ADHESIVE
 - P2 - MEDIA MUST BE COMPATIBLE WITH GLASS, SILICON, STAINLESS STEEL, INVAR, Sn/Pb PLATING OR Sn/Ag SOLDER
 - ⚠ PINS 4, 5 OR 6 ARE INTERNAL DEVICE CONNECTIONS, DO NOT CONNECT TO EXTERNAL CIRCUITRY OR GROUND EXCEPT FOR AUTOMOTIVE GRADE
 - ⚠ PRODUCT TESTED AT 250 PSI
 - ⚠ 500 PSI HAS A BURST PRESSURE UP TO 1250 PSI

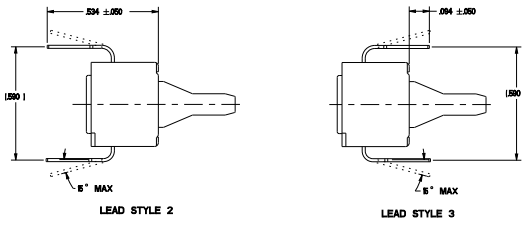
GENERAL CHARACTERISTICS

PRESSURE RANGE	SEE CHART
OVERPRESSURE	SEE CHART
TEMPERATURE RANGE	-45 TO +85°C
OPERATING RANGE	-45 TO +85°C
SUPPLY VOLTAGE	5V TO 15V MAX
SUPPLY CURRENT	250 μA MAX
SHUT DOWN CURRENT	100 μA MAX
OUTPUT SOURCE CURRENT	10 mA MAX
OUTPUT SINK CURRENT	10 mA MAX
OUTPUT CAPACITANCE DRIVE CAPABILITY	0.1 μF MAX
PATCHABILITY	±0.5% SPAN TYP

OUTPUT PERFORMANCE AT 25°C AND 500±10 VDC SUPPLY (UNLESS NOTED)

TEMPERATURE ERROR (%)	0 TO 5 PSI	0 TO 10 PSI	0 TO 20 PSI	0 TO 50 PSI	0 TO 100 PSI	0 TO 200 PSI	0 TO 500 PSI (0 TO 300 mmHg)
±0.5% SPAN TYP	±0.5% SPAN TYP	±0.5% SPAN TYP	±0.5% SPAN TYP	±0.5% SPAN TYP	±0.5% SPAN TYP	±0.5% SPAN TYP	±0.5% SPAN TYP
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CATALOG LISTING	LEAD STYLE	PRESSURE RANGE	OVER-PRESSURE	SENSITIVITY	NULL (D) PSIO VDC	SPAN VDC
40PC009A	1	0 TO 5 PSI	45 PSI	266.8 mV/PSI TYP	500±.80	4.000±.10
40PC009A	2	0 TO 5 PSI	45 PSI	266.8 mV/PSI TYP	500±.80	4.000±.10
40PC009A	3	0 TO 5 PSI	45 PSI	266.8 mV/PSI TYP	500±.80	4.000±.10
40PC009A	1	0 TO 100 PSI	200 PSI	40.0 mV/PSI TYP	500±.040	4.000±.090
40PC009A	2	0 TO 100 PSI	200 PSI	40.0 mV/PSI TYP	500±.040	4.000±.090
40PC009A	3	0 TO 100 PSI	200 PSI	40.0 mV/PSI TYP	500±.040	4.000±.090
40PC009A	1	0 TO 500 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC009A	2	0 TO 500 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC009A	3	0 TO 500 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC009A	1	0 TO 250 PSI	500 PSI	16.0 mV/PSI TYP	500±.040	4.000±.070
40PC009A	2	0 TO 250 PSI	500 PSI	16.0 mV/PSI TYP	500±.040	4.000±.070
40PC009A	3	0 TO 250 PSI	500 PSI	16.0 mV/PSI TYP	500±.040	4.000±.070
40PC009A	1	0 TO 600 PSI	1000 PSI	8.0 mV/PSI TYP	500±.040	4.000±.090
40PC009A	2	0 TO 600 PSI	1000 PSI	8.0 mV/PSI TYP	500±.040	4.000±.090
40PC009A	3	0 TO 600 PSI	1000 PSI	8.0 mV/PSI TYP	500±.040	4.000±.090
40PC009A	1	0 TO 45 PSI	30 PSI	266.8 mV/PSI TYP	500±.040	4.0±.1
40PC009A	2	0 TO 45 PSI	30 PSI	266.8 mV/PSI TYP	500±.040	4.0±.1
40PC009A	3	0 TO 45 PSI	30 PSI	266.8 mV/PSI TYP	500±.040	4.0±.1
40PC009A	1	0 TO 30 PSI	60 PSI	153.3 mV/PSI TYP	500±.040	4.000±.090
40PC009A	2	0 TO 30 PSI	60 PSI	153.3 mV/PSI TYP	500±.040	4.000±.090
40PC009A	3	0 TO 30 PSI	60 PSI	153.3 mV/PSI TYP	500±.040	4.000±.090
40PC009A	1	0 TO 300 mmHg	650 mmHg	13.33 mV/mmHg	500±.090	4.000±.090
40PC009A	2	0 TO 300 mmHg	650 mmHg	13.33 mV/mmHg	500±.090	4.000±.090
40PC009A	3	0 TO 300 mmHg	650 mmHg	13.33 mV/mmHg	500±.090	4.000±.090
40PC009A	1	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC009A	2	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070



CAUTION
ELECTROSTATIC SENSITIVE
DO NOT USE IN WET OR DAMP AREAS

ESD SENSITIVITY: CLASS 1

THIRD ANGLE PROJECTION
SCALE: 1:1
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE:
ONE PLACE: 1.00 ± 0.00
TWO PLACE: 1.00 ± 0.015
THREE PLACE: 1.000 ± 0.005
ANGLES: °

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TYPED BY: CSE/MLM DATE: 11/18/92 CHECKED BY: TSC

MICRO SWITCH PRESSURE SENSOR 40PC SERIES CHART 1
A Honeywell Division

ANSI Y14.5M-1982 APPLICABLE