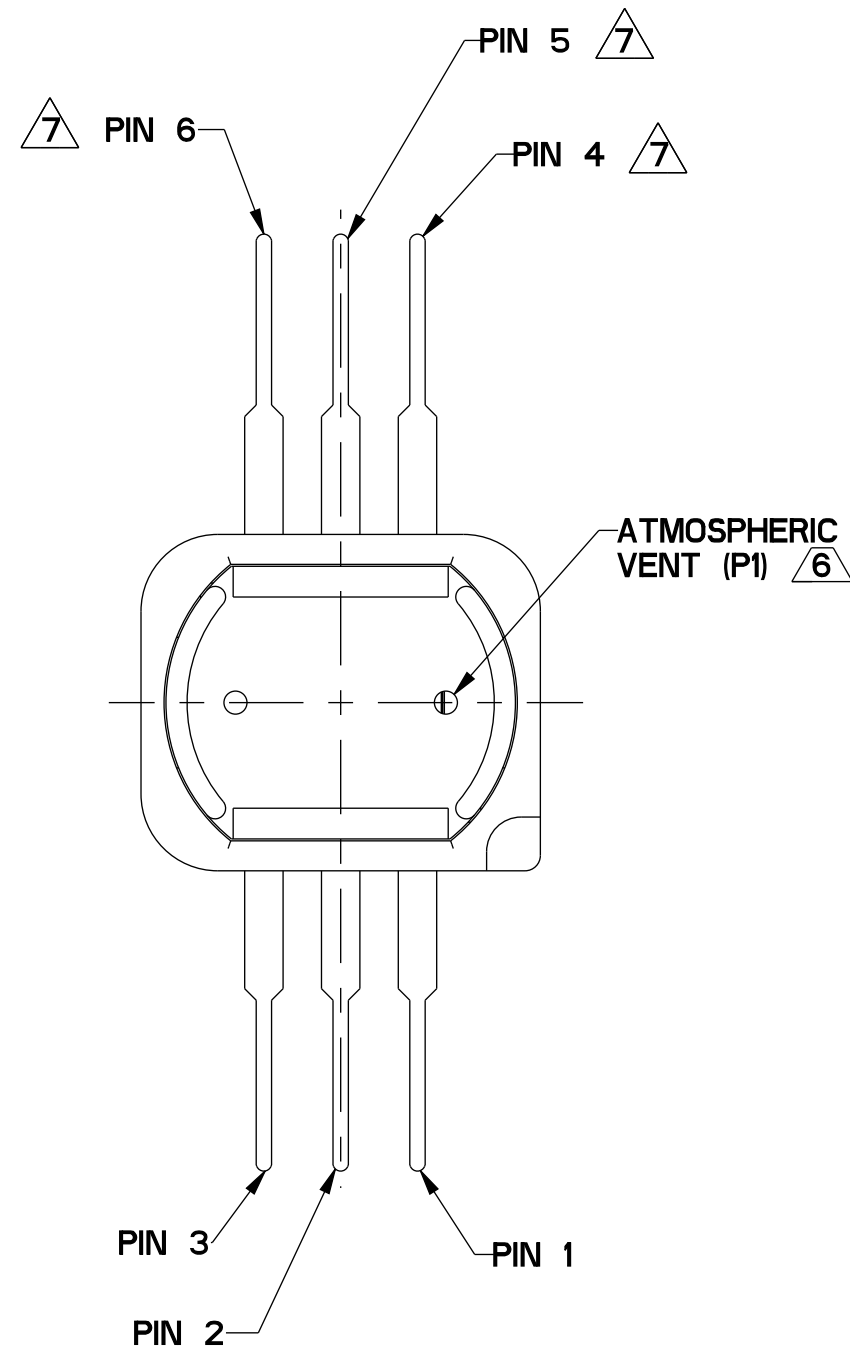
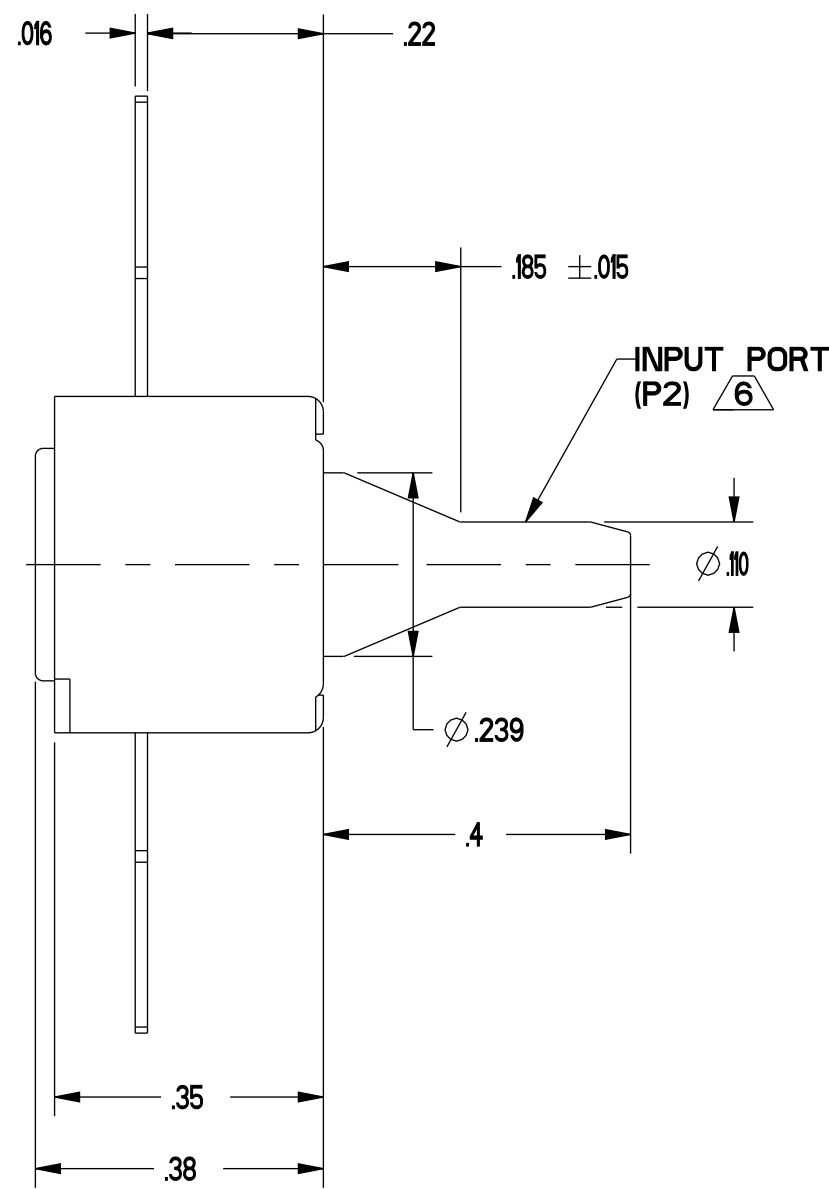
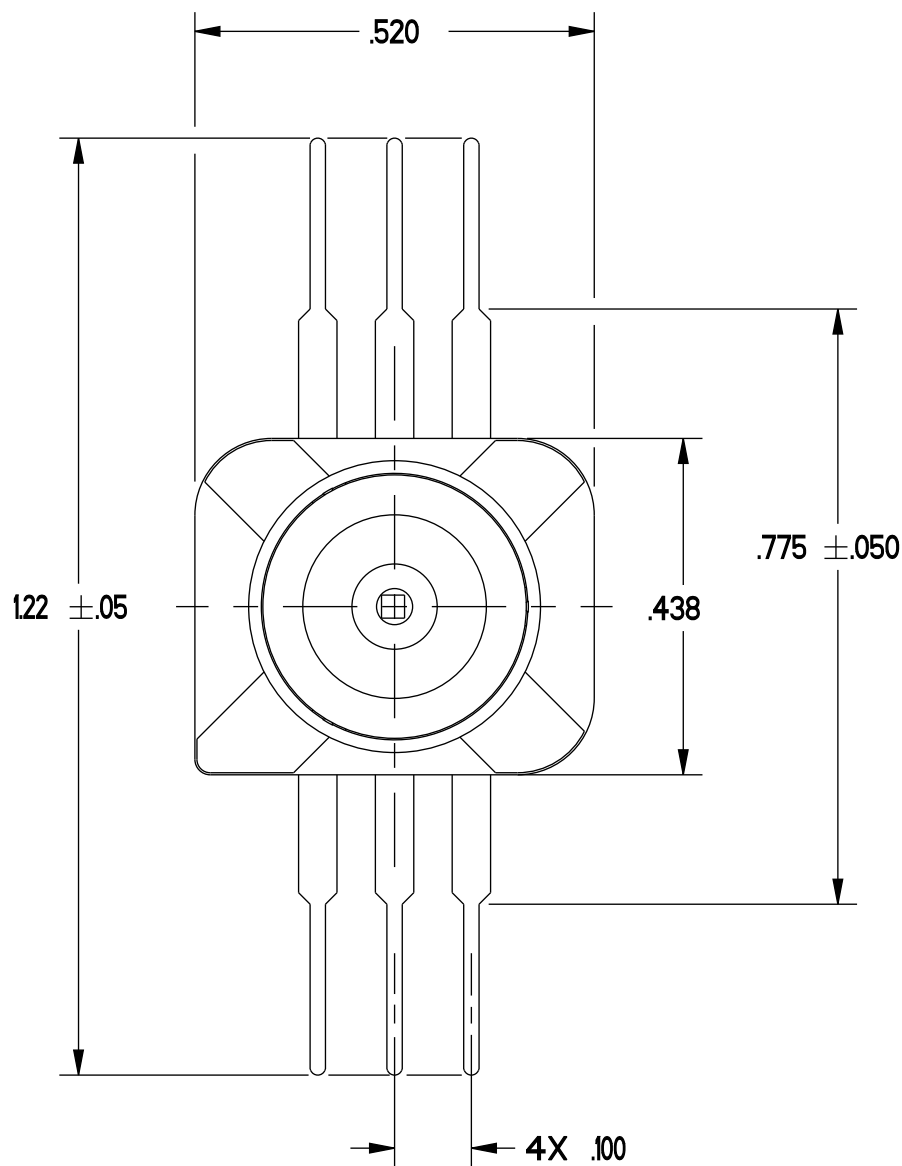




LEAD PIN OUT		
Vout	GND	Vs
3	2	1



LEAD STYLE 1



GENERAL CHARACTERISTICS

PRESSURE RANGE	SEE CHART
OVERPRESSURE	SEE CHART
TEMPERATURE RANGES	
STORAGE	-55° TO +125° C
OPERATING	-45° TO +125° C
SUPPLY VOLTAGE	5.0 Vdc (NOM) ±.25 Vdc
SUPPLY CURRENT	10mA MAX
SHORT CIRCUIT LIMIT	4
OUTPUT SOURCE CURRENT	0.5 mA MAX
OUTPUT SINK CURRENT	10 mA MAX
OUTPUT CAPACITANCE	0.01µ F MAX
DRIVE CAPABILITY	
RATIOSMETRICITY	±0.25% SPAN TYP

OUTPUT PERFORMANCE AT 25°C AND 5.00±.01 VDC SUPPLY UNLESS NOTED

NULL (0 PSIG)	SEE CHART							
FULL SCALE	4500 Vdc TYP							
SPAN	SEE CHART							
SENSITIVITY	SEE CHART							
HYSTERESIS & REPEATABILITY	0.15% SPAN TYP							
TEMPERATURE ERROR / 1	0 TO -15 PSI	0 TO 15 PSI	0 TO 30 PSI	0 TO 100 PSI	0 TO 150 PSI	0 TO 250 PSI	0 TO 500 PSI / 8	0 TO 300 mmHg
NULL SHIFT								
-25° TO -18° C	±0.75% SPAN MAX	±2.00% SPAN MAX	±150% SPAN MAX	±125% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±100% SPAN MAX	±125% SPAN MAX
-25° TO +63° C		±2.00% SPAN MAX	±150% SPAN MAX	±125% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±100% SPAN MAX	±125% SPAN MAX
-25° TO +45° C	±100% SPAN MAX	±2.75% SPAN MAX	±175% SPAN MAX	±200% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±150% SPAN MAX	±2.75% SPAN MAX
-25° TO +85° C	±100% SPAN MAX	±2.75% SPAN MAX	±200% SPAN MAX	±200% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±150% SPAN MAX	±2.50% SPAN MAX
-25° TO +125° C	5	±2.25% SPAN MAX	±200% SPAN MAX	±300% SPAN MAX	±150% SPAN MAX	±200% SPAN MAX	±250% SPAN MAX	±2.50% SPAN MAX
SPAN SHIFT								
-25° TO -18° C	±200% SPAN MAX	±0.75% SPAN MAX	±150% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX
-25° TO +63° C		±0.75% SPAN MAX	±150% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX
-25° TO +45° C	±225% SPAN MAX	±100% SPAN MAX	±175% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±2.00% SPAN MAX
-25° TO +85° C	±125% SPAN MAX	±100% SPAN MAX	±200% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±1.75% SPAN MAX
-25° TO +125° C	5		±225% SPAN MAX	±200% SPAN MAX	±150% SPAN MAX	±200% SPAN MAX	±150% SPAN MAX	±1.75% SPAN MAX
COMBINED NULL AND SPAN SHIFT								
-25° TO -18° C	±150% SPAN MAX	±2.00% SPAN MAX	±200% SPAN MAX	±150% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±100% SPAN MAX	±150% SPAN MAX
-25° TO +63° C		±2.00% SPAN MAX	±200% SPAN MAX	±150% SPAN MAX	±0.75% SPAN MAX	±0.75% SPAN MAX	±100% SPAN MAX	±150% SPAN MAX
-25° TO +45° C	±175% SPAN MAX	±3.00% SPAN MAX	±250% SPAN MAX	±250% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±175% SPAN MAX	±4.00% SPAN MAX
-25° TO +85° C	±100% SPAN MAX	±3.00% SPAN MAX	±250% SPAN MAX	±250% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±150% SPAN MAX	±4.00% SPAN MAX
-25° TO +125° C	5		±250% SPAN MAX	±300% SPAN MAX	±150% SPAN MAX	±300% SPAN MAX	±300% SPAN MAX	±4.00% SPAN MAX
LINEARITY (B.F.S.L)	0.30% SPAN MAX	0.20% SPAN MAX	0.30% SPAN MAX	0.10% SPAN MAX	0.10% SPAN MAX	0.10% SPAN MAX	0.20% SPAN MAX	±0.20% SPAN MAX
ACCURACY (25C) RSS / 2	±0.4% SPAN	±0.40% SPAN	±0.40% SPAN MAX	±0.2% SPAN	±0.2% SPAN	±0.2% SPAN	±0.2% SPAN	±0.40% SPAN MAX
TOTAL ACCURACY / 3	-18 to 63° C	±4.0% SPAN MAX	±150% SPAN MAX	±25% SPAN MAX	±2% SPAN MAX	±2% SPAN MAX	±2% SPAN MAX	±2.00% SPAN MAX
	-45 to 85° C	±2.25% SPAN MAX	±175% SPAN MAX	±25% SPAN MAX	±2% SPAN MAX	±2% SPAN MAX	±3% SPAN MAX	±4.00% SPAN MAX
	-45 to 125° C / 5		±2.25% SPAN MAX	±30% SPAN MAX	±250% SPAN MAX	±3% SPAN MAX	±3% SPAN MAX	±4.00% SPAN MAX

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 100% 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/Ni 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

40PC

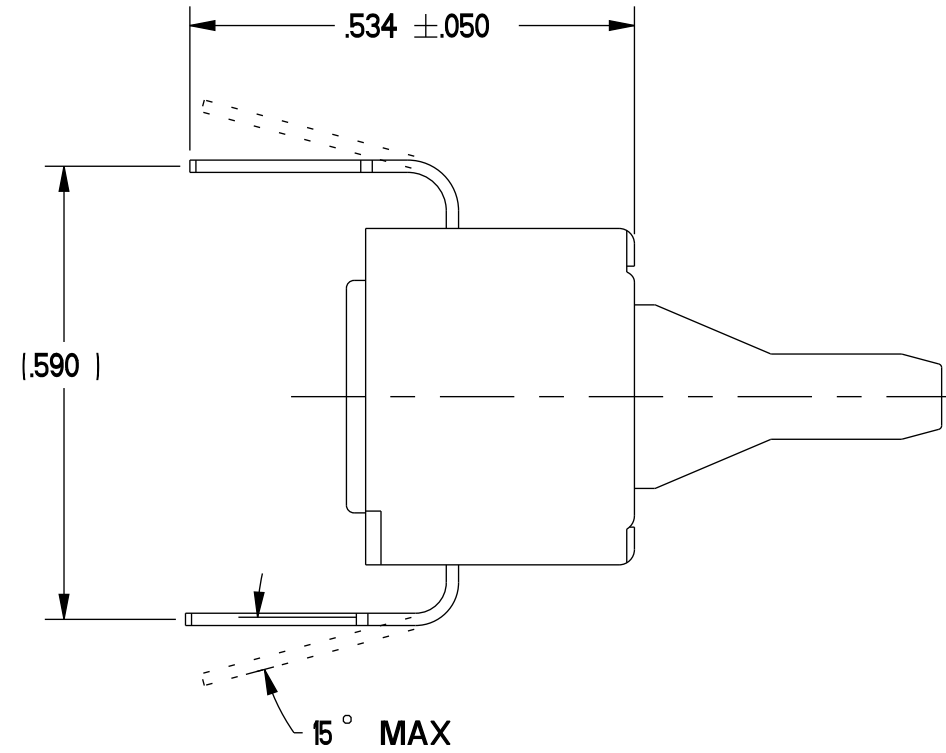
PRESSURE RANGE
015 - 0 TO 15 PSI
100 - 0 TO 100 PSI
150 - 0 TO 150 PSI
250 - 0 TO 250 PSI
500 - 0 TO 500 PSI
030 - 0 TO 30 PSI
006 - 0 TO 300 mmHg

LEAD STYLE
1 - UNFORMED
2 - FORMED AWAY FROM PORT
3 - FORMED TOWARDS PORT

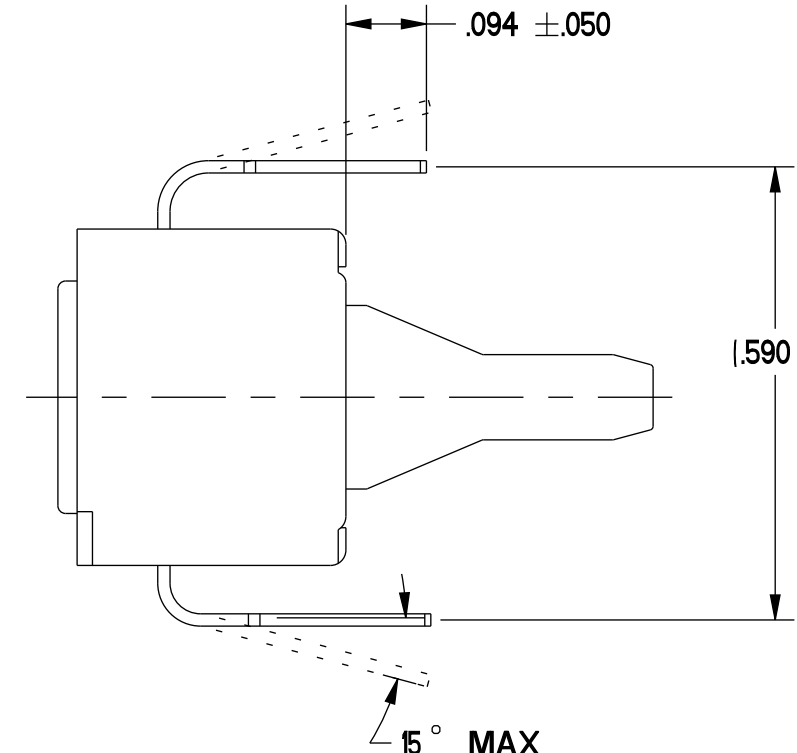
PRESSURE TYPE
G - GAGE
V - VACUUM

S - AUTOMOTIVE GRADE
T - ENHANCED SOLDER JOINT
PORT STYLE
A - STRAIGHT

CATALOG LISTING	LEAD STYLE	PRESSURE RANGE	OVER-PRESSURE	SENSITIVITY	NULL (0 PSIG) VDC	SPAN VDC
40PC015G1A	1	0 TO 15 PSI	45 PSI	266.6 mV/PSI TYP	500±.110	4.000±.110
40PC015G2A	2	0 TO 15 PSI	45 PSI	266.6 mV/PSI TYP	500±.110	4.000±.110
40PC015G3A	3	0 TO 15 PSI	45 PSI	266.6 mV/PSI TYP	500±.110	4.000±.110
40PC100G1A	1	0 TO 100 PSI	200 PSI	40.0 mV/PSI TYP	500±.040	4.000±.090
40PC100G2A	2	0 TO 100 PSI	200 PSI	40.0 mV/PSI TYP	500±.040	4.000±.090
40PC100G3A	3	0 TO 100 PSI	200 PSI	40.0 mV/PSI TYP	500±.040	4.000±.090
40PC150G1A	1	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC150G2A	2	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC150G3A	3	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC250G1A	1	0 TO 250 PSI	500 PSI	16.0 mV/PSI TYP	500±.040	4.000±.070
40PC250G2A	2	0 TO 250 PSI	500 PSI	16.0 mV/PSI TYP	500±.040	4.000±.070
40PC250G3A	3	0 TO 250 PSI	500 PSI	16.0 mV/PSI TYP	500±.040	4.000±.070
40PC500G1A	1	0 TO 500 PSI	1000 PSI	8.0 mV/PSI TYP	500±.040	4.000±.090
40PC500G2A	2	0 TO 500 PSI	1000 PSI	8.0 mV/PSI TYP	500±.040	4.000±.090
40PC500G3A	3	0 TO 500 PSI	1000 PSI	8.0 mV/PSI TYP	500±.040	4.000±.090
40PC015V1A	1	0 TO -15 PSI	30 PSI	266.6 mV/PSI TYP	500±.040	4.0±.1
40PC015V2A	2	0 TO -15 PSI	30 PSI	266.6 mV/PSI TYP	500±.040	4.0±.1
40PC015V3A	3	0 TO -15 PSI	30 PSI	266.6 mV/PSI TYP	500±.040	4.0±.1
40PC030G1A	1	0 TO 30 PSI	60 PSI	133.3 mV/PSI TYP	500±.040	4.000±.080
40PC030G2A	2	0 TO 30 PSI	60 PSI	133.3 mV/PSI TYP	500±.040	4.000±.080
40PC030G3A	3	0 TO 30 PSI	60 PSI	133.3 mV/PSI TYP	500±.040	4.000±.080
40PC006G1A	1	0 TO 300 mmHg	650 mmHg	13.33 mV/mmHg	500±.050	4.000±.050
40PC006G2A	2	0 TO 300 mmHg	650 mmHg	13.33 mV/mmHg	500±.050	4.000±.050
40PC006G3A	3	0 TO 300 mmHg	650 mmHg	13.33 mV/mmHg	500±.050	4.000±.050
40PC150G1AS	1	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070
40PC150G1AT	1	0 TO 150 PSI	300 PSI	26.6 mV/PSI TYP	500±.040	4.000±.070



LEAD STYLE 2



LEAD STYLE 3



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

THIRD ANGLE PROJECTION
SCALE 4 : 1
DO NOT SCALE PRINT
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
ONE PLACE (.0) +.030
TWO PLACE (.00) +.015
THREE PLACE (.000) +.005
ANGLES +
WEIGHT

Mouser Electronics

Authorized Distributor

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[40PC015V2A](#) [40PC030G2A](#) [40PC500G2A](#) [40PC150G1AT](#)