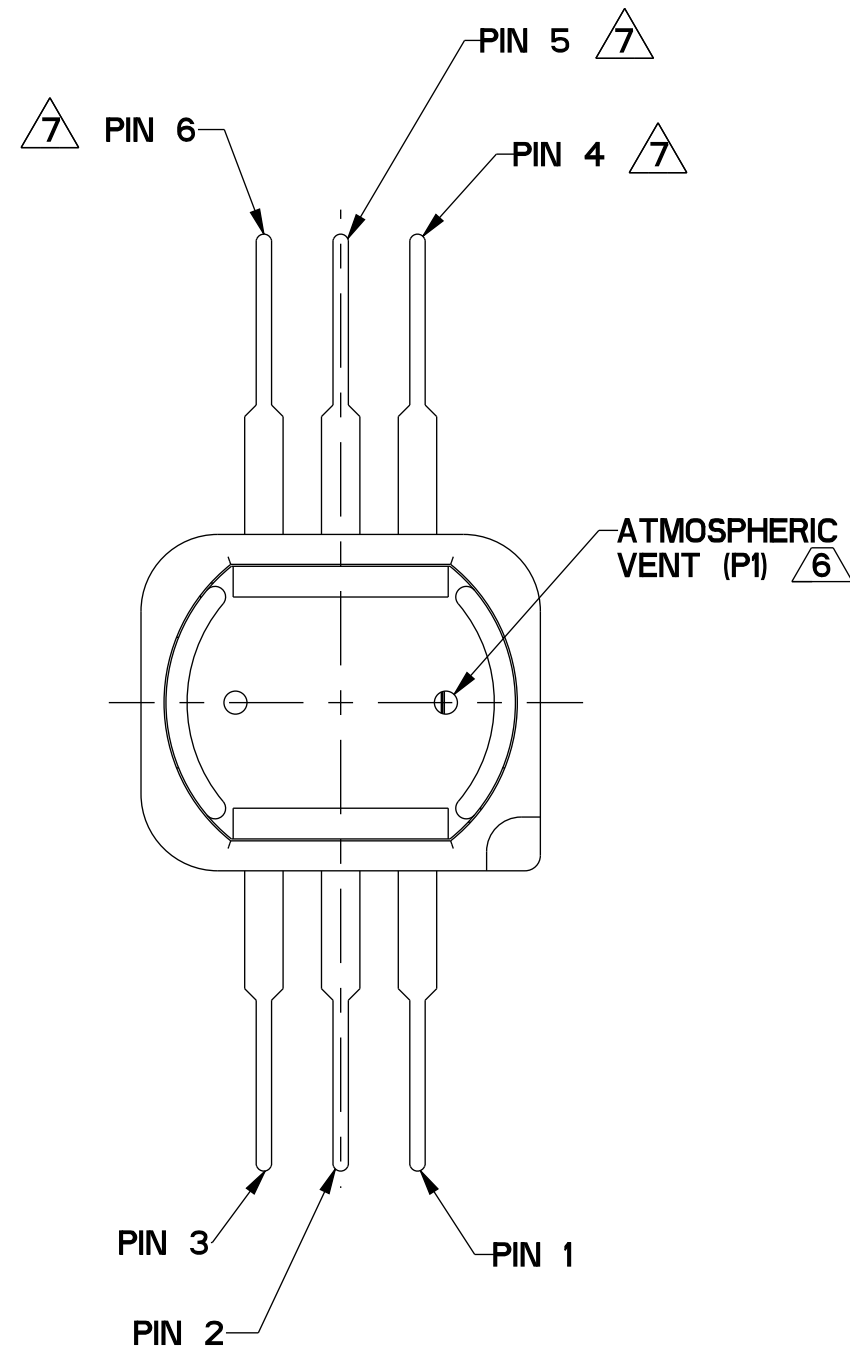
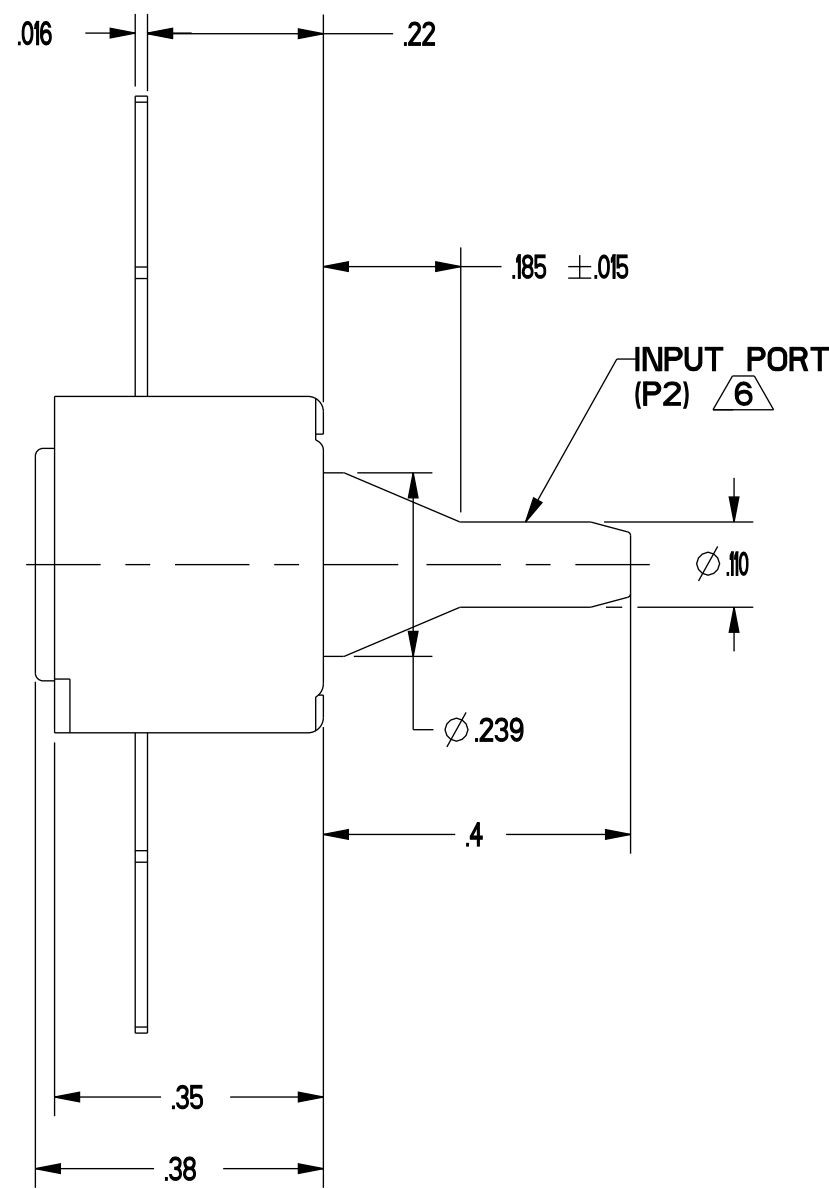
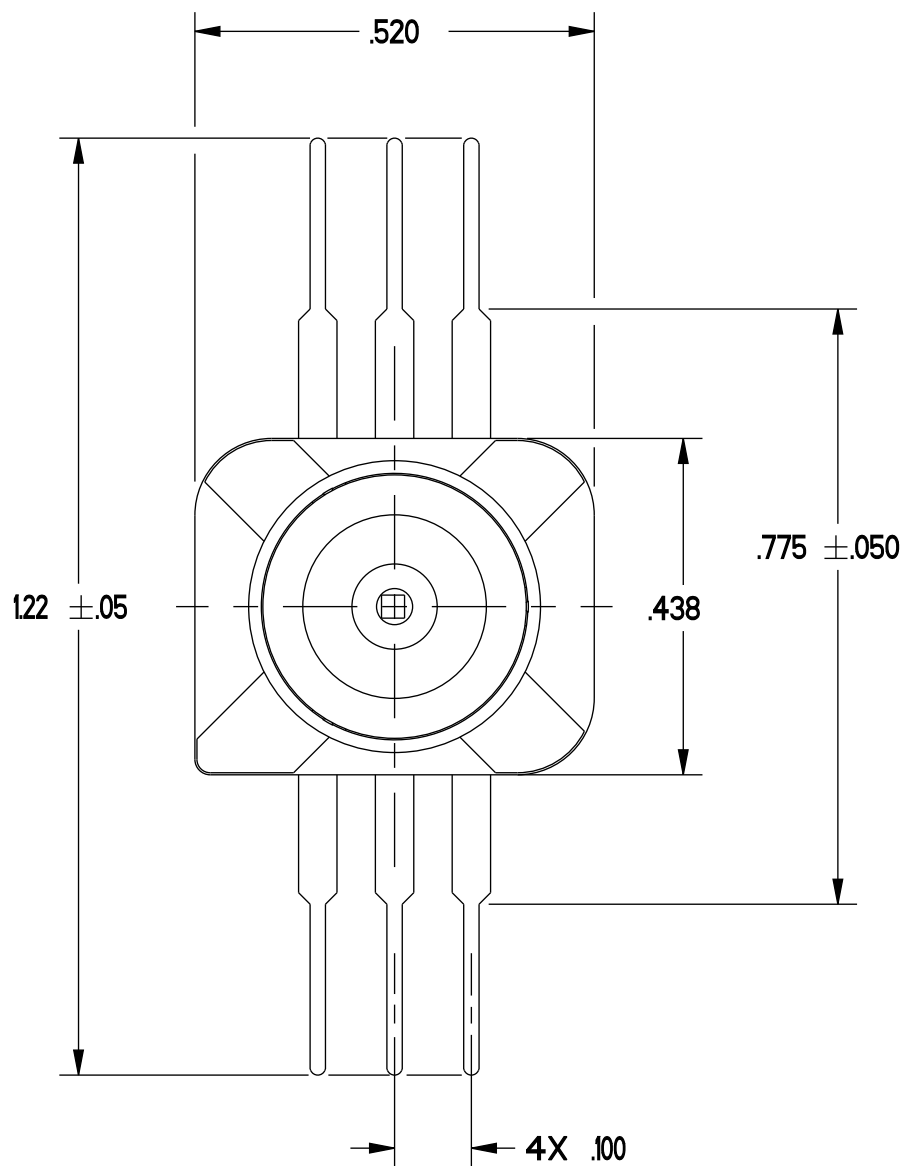




LEAD PIN OUT		
Vout	GND	Vs
3	2	1



LEAD STYLE 1



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

PORT STYLE
A - STRAIGHT
T - ENHANCED SOLDER JOINT

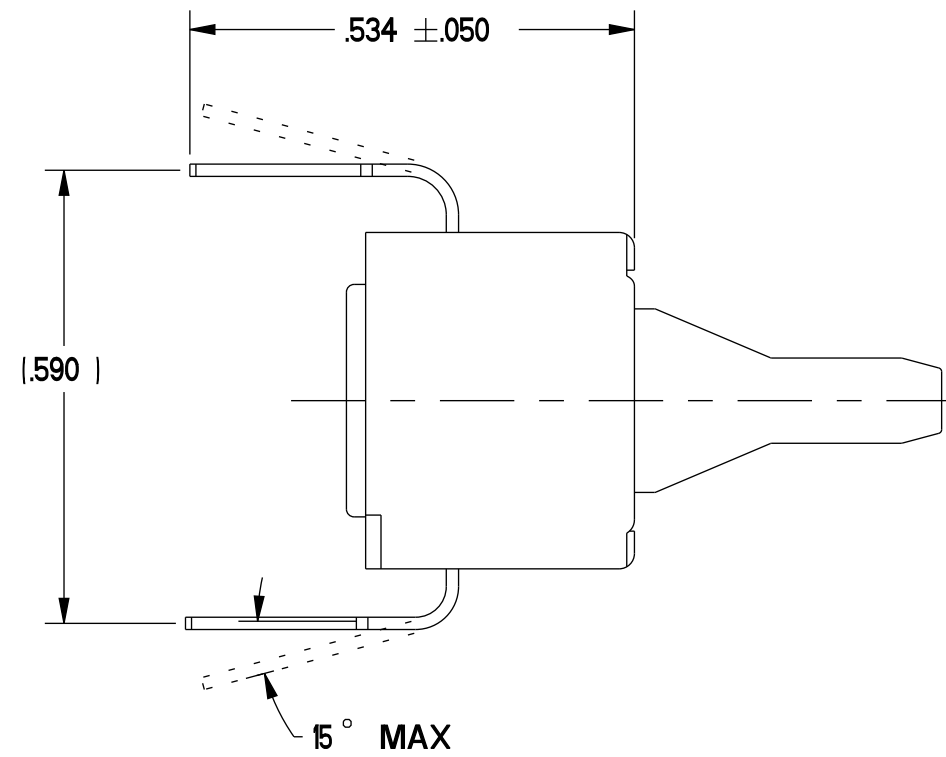
S - AUTOMOTIVE GRADE
T - ENHANCED SOLDER JOINT

NOTES

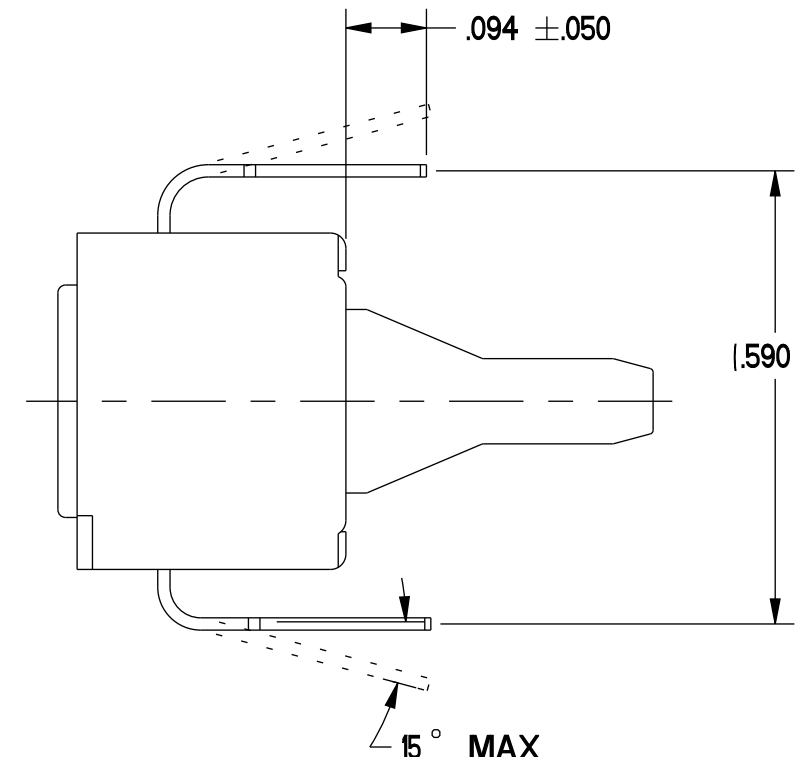
- TEMPERATURE ERROR IS THE MAXIMUM DEVIATION FROM 25° PERFORMANCE OVER THE ENTIRE TEMPERATURE RANGE SHOWN
- ACCURACY IS DEFINED AS THE 25C, RSS ERRORS FOR LINEARITY, HYSTERESIS AND REPEATABILITY
- TOTAL ACCURACY IS THE MAXIMUM DEVIATION FROM THE 25C REFERENCE TRANSFER FUNCTION AT ANY PRESSURE OR TEMPERATURE 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

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									
RATIOMETRICITY	±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	±3.00% SPAN MAX	±150% SPAN MAX	±2.00% SPAN MAX	±2.50% SPAN MAX	±2.50% SPAN MAX	
SPAN SHIFT									
-25° TO -18° C	±2.00% 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	±2.25% 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		±2.25% SPAN MAX	±2.00% SPAN MAX	±150% SPAN MAX	±2.00% 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 +63° C		±2.00% SPAN MAX	±250% SPAN MAX	±250% SPAN MAX	±100% SPAN MAX	±100% SPAN MAX	±175% SPAN MAX	±4.00% 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	±150% SPAN MAX	±4.00% SPAN MAX	
-25° TO +85° C	±100% SPAN MAX	±3.00% SPAN MAX	±250% SPAN MAX	±3.00% SPAN MAX	±100% SPAN MAX	±3.00% SPAN MAX	±3.00% SPAN MAX	±4.00% SPAN MAX	
-25° TO +125° C	5		±2.50% SPAN MAX	±3.00% SPAN MAX	±150% SPAN MAX	±3.00% SPAN MAX	±3.00% 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	±0.4% 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	±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	±4.0% 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	±3.0% SPAN MAX	±2.50% SPAN MAX	±3% SPAN MAX	±3% SPAN MAX	±4.00% SPAN MAX	



LEAD STYLE 2



LEAD STYLE 3



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FED. MFG. CODE 91929	CATALOG LISTING	
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	