

MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE
SENSOR

CATALOG LISTING
136PC100G2

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GENERAL OPERATING CHARACTERISTICS

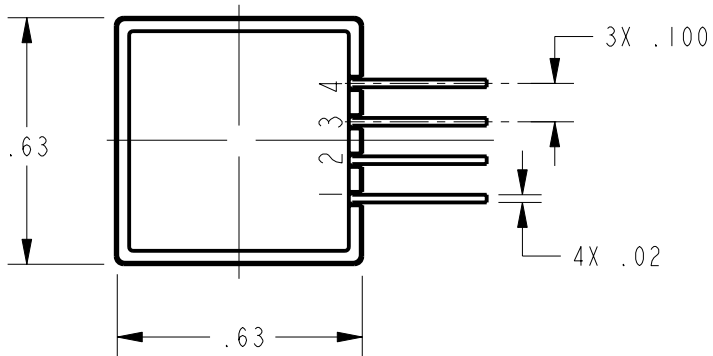
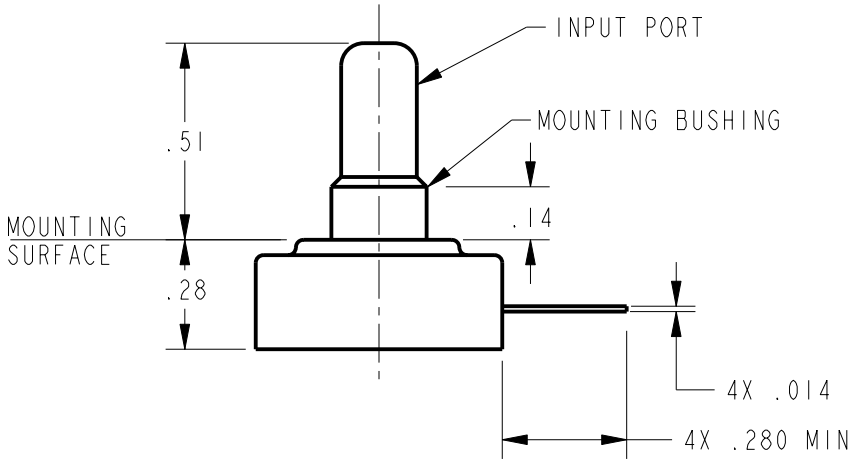
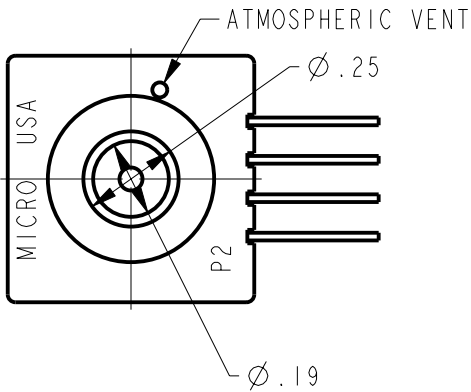
PRESSURE RANGE	0 TO 5170 mmHg (0 TO 100 PSIG)
OVERPRESSURE	7755 mmHg (150 PSI)
TEMPERATURE RANGES	
STORAGE	-55° TO +125°C
OPERATE	-40° TO +85°C
COMPENSATED	0°C TO +50°C
SUPPLY VOLTAGE	16 VDC MAX
INPUT RESISTANCE	6800 OHM TYP

ELECTRICAL PERFORMANCE AT 10.00±.01 VDC SUPPLY AND +25°C

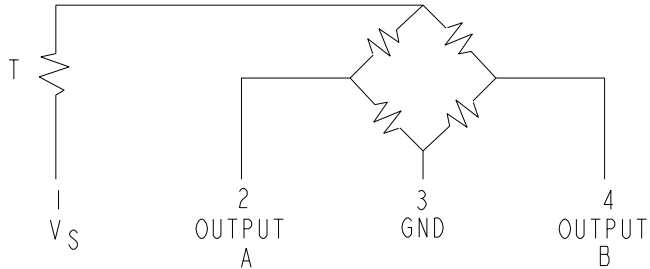
NULL OFFSET	0 ± 1 mV (AT 0 PSI)
F.S.O. ∇ 3	100 ± 4 mV (0 TO 100 PSI)
LINEARITY (BFSL) INPUT > VENT	± .4% F.S.O. MAX ∇ 3
HYSTERESIS & REPEATABILITY	± .15% F.S.O. TYP ∇ 3

TEMPERATURE ERROR (25°C TO 0°C OR 25°C TO 50°C)

NULL SHIFT	± 2 mV MAX
SENSITIVITY SHIFT	± 3.0% F.S.O. MAX ∇ 3



CIRCUIT DIAGRAM

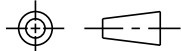


OUTPUT "A" INCREASES AS INPUT PRESSURE INCREASES
OUTPUT "B" DECREASES AS INPUT PRESSURE INCREASES

NOTES

- 1 - TERMINALS ARE PLATED FOR SOLDERING
- 2 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX
- ∇ 3 F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
- 4 - INPUT MEDIA LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ATTACK POLYESTER, SILICON OR EPOXY

THIRD ANGLE PROJECTION



SCALE 2:1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT