

PTC/CAD

2D

DRAWN

D L T

30 JUL 02

CHECK

SAV

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REVISIONS

A

206110

DLT

30 JUL 02

ISSUE

3

CATALOG LISTING

M

136PC65G2

CATALOG LISTING

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RELEASE NO. CO-77378

REPLACES -

MICRO SWITCH

a Honeywell Division

FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

CATALOG LISTING

136PC65G2

ATMOSPHERIC VENT

MICRO USA

P2

Ø .19 INPUT PORT

Ø .25 MOUNTING BUSHING

.51

.14

.28

MOUNTING SURFACE

4X .014

4X .280 MIN

.63

.63

3X .100

4X .02

GENERAL OPERATING CHARACTERISTICS

|                    |                               |
|--------------------|-------------------------------|
| PRESSURE RANGE     | 0 TO 3360 mmHg (0 TO 65 PSIG) |
| OVERPRESSURE       | 12925 mmHg (250 PSI)          |
| TEMPERATURE RANGES |                               |
| STORAGE            | -55°C TO +125°C               |
| OPERATE            | -40°C 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 °C

|                            |                       |
|----------------------------|-----------------------|
| NULL OFFSET                | 0 ±1 mV (AT 0 PSI)    |
| F.S.O. /3\                 | 27 ± 1.5 mV           |
| LINEARITY (BFSL)           |                       |
| INPUT > VENT               | ± 1.0% 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        | ± 4 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

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      |        |       |

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 SILICONE BASED ADHESIVE

ANSI Y14.5M-1982 APPLIES