

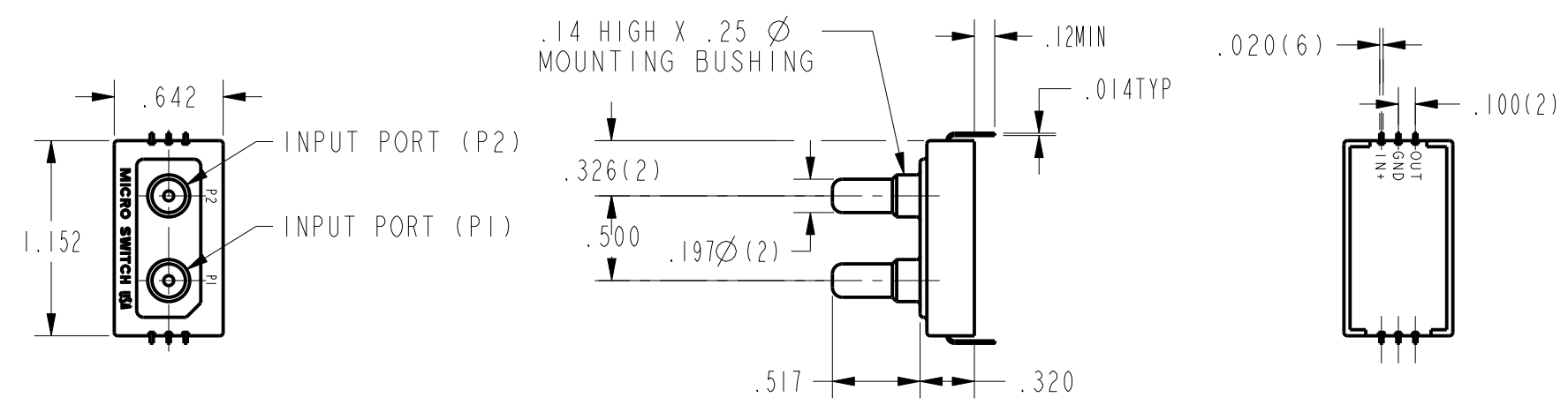
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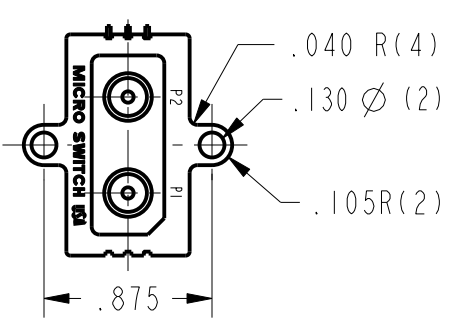
TYPE "A" & "D" (DIFFERENTIAL)
MOUNTING TYPE = "T"



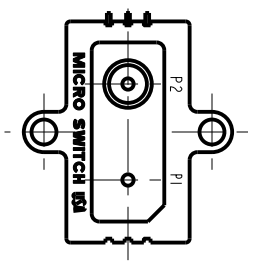
TYPE "G" (GAGE)
MOUNTING TYPE = "T"

| CATALOG LISTING | TYPE | OPERATING PRESSURE RANGE |
|-----------------|------|--------------------------|
| Ⓚ | G | 0 TO 15 PSIG |
| Ⓞ | G | 0 TO 15 PSIG |
| 185PC15AH2 | A | 0 TO 15 PSIA |
| 185PC15DT | D | 0 TO 15 PSID |
| Ⓚ | D | 0 TO 15 PSID |
| 185PC15AH | A | 0 TO 15 PSIA |
| 185PC15AT | A | 0 TO 15 PSIA |
| 186PC15DH | D | 0 TO 15 PSID |
| 186PC15DT | D | 0 TO 15 PSID |

MOUNTING TYPE
H = HOUSING
T = TERMINAL



TYPE "A" & "D" (DIFFERENTIAL)
MOUNTING TYPE = "H"



TYPE "G" (GAGE)
MOUNTING TYPE = "H"

| GENERAL OPERATING CHARACTERISTICS | |
|-----------------------------------|--|
| PRESSURE RANGE | 0 TO 775mm Hg (0 TO 15 PSI) |
| OVERPRESSURE | 2327mm Hg (45 PSI) |
| TEMPERATURE RANGES | STORAGE -55 TO +125° C OPERATE -40 TO +85° C COMPENSATED 0 TO +50° C |
| SUPPLY VOLTAGE | 7 TO 16 VDC |
| SUPPLY CURRENT | 6mA MAX WITH 10K LOAD |
| OUTPUT VOLTAGE | PROPORTIONAL TO SUPPLY VOLTAGE OVER ABOVE RECOMMENDED RANGE |
| SHORT CIRCUIT LIMIT | MAY BE SHORTED INDEFINITELY |
| OUTPUT RIPPLE | NONE |
| GROUND REFERENCE | SUPPLY AND OUTPUT ARE COMMON |

| ELECTRICAL PERFORMANCE AT 25° C AND 8.00 ± .01 VDC SUPPLY | |
|---|--|
| OUTPUT VOLTAGE | |
| 184PC15G | |
| NULL (0 PSIG) | 1.000±.050 VDC |
| FULL SCALE (-12.5 PSIG) | 5.900 VDC TYP P1 > P2 |
| SPAN | 4.167±.050 VDC |
| 185PC15D | |
| NULL (0 PSIG) | 1.000±.050 VDC |
| FULL SCALE (15 PSIG) | 6.000 VDC TYP P2 > P1 |
| SCAN | 5.000±.050 VDC |
| 186PC15D | |
| NULL (0 PSIG) | 3.500±.050 VDC |
| FULL SCALE (15 PSIG) | 6.000 VDC TYP P2 > P1 |
| OUTPUT @ 15 PSIG | 1.000 VDC TYP P1 > P2 |
| SPAN (0 TO 15 PSIG) P2 > P1 | 2.500±.050 VDC |
| SENSITIVITY | 333.3 mV/PSI TYP |
| LINEARITY (B.F.S.L.) | 1.00% SPAN MAX P1 > P2 2.00% SPAN MAX P2 > P1 |
| HYSTERESIS & REPEATABILITY | .15% SPAN TYP |
| TEMPERATURE ERROR | |
| 0° C TO 50° C | 2.00% SPAN MAX |
| 185PC15A | |
| NULL (0 PSIA) | 1.000 VDC TYP |
| REFERENCE (2 PSIA) | 1.667±.050 VDC |
| FULL SCALE (15 PSIA) | 6.000 VDC TYP P1 > P2 |
| SPAN (2 TO 15 PSIA) | 4.333±.050 VDC |
| SENSITIVITY | 333.3 mV/PSI TYP |
| LINEARITY (B.F.S.L.) | 1.15% SPAN MAX |
| HYSTERESIS & REPEATABILITY | .17% SPAN TYP |
| TEMPERATURE ERROR | |
| 0° C TO 50° C | 2.31% SPAN MAX |

NOTES

- INPUT MEDIA:
P1 - DRY GASES ONLY: CONNECTION SIDE OF SENSOR
P2 - LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ATTACK POLYESTER, SILICON, OR SILICONE BASED ADHESIVE
- TERMINALS ARE PLATED FOR SOLDERING
- LIMIT SOLDERING TO 315° C MAX FOR 10 SECONDS
- UNITS ARE OF PLASTIC CONSTRUCTION
- FOR MOUNTING TYPE "T" DEVICES EXPOSED TO HIGH VIBRATION LEVELS, AS AN ADDED PROTECTION MEASURE, IT IS RECOMMENDED THAT AN ADHESIVE FOAM SECURE THE TRANSDUCER TO THE SUPPORTING STRUCTURE

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PRESSURE TRANSDUCER

CATALOG LISTING
180PC15 SERIES CHART 1
(8.00VDC SUPPLY EXCITATION)

| | |
|---|-------|
| THIRD ANGLE PROJECTION | |
| SCALE FULL | |
| DO NOT SCALE PRINT | |
| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE | |
| ONE PLACE (.0) | ±.030 |
| TWO PLACES (.00) | ±.015 |
| THREE PLACES (.000) | ±.005 |
| ANGLES | ± |
| WEIGHT 7 GRAMS | |