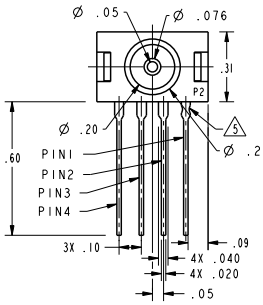
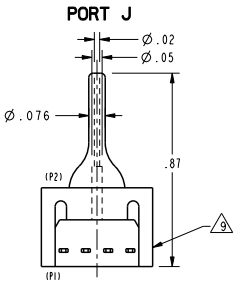
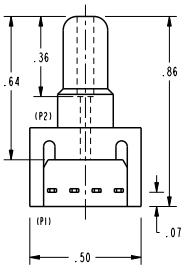
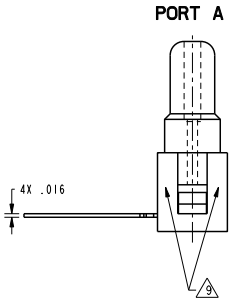
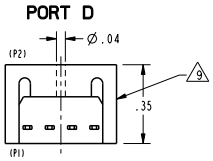
26PC SERIES CHART 7











GENERAL OPERATING CHARACTERISTICS
(ELECTRICAL PERFORMANCE AT 10.00 ±0.01 VDC EXCITATION, 25°C)

PRESSURE RANGE (PSI)	0 - 1			0 - 5			0 - 15			0 - 30			
	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	MIN	NOM	MAX	UNITS
SPAN (P2>P1) 1	-14.7	-16.7	-18.7	-47	-50	-53	-97	-100	-103	-97	-100	-103	mV
NULL OFFSET	-1.5	0	+1.5	-1.5	0	+1.5	-1.5	0	+1.5	-1.5	0	+1.5	mV
		TYP	MAX		TYP	MAX		TYP	MAX		TYP	MAX	UNITS
LINEARITY (BFSL, P2>P1)		0.25	0.5		0.4	0.5		0.25	0.5		0.1	0.2	%SPAN
NULL SHIFT (0 TO 25°C, 25 TO 50°C) 2		±0.5	±1.0		±0.5	±1.0		±0.5	±1.0		±0.75	±1.5	mV
SPAN SHIFT (0 TO 25°C, 25 TO 50°C) P2>P1 2		±1.0	±2.0		±1.0	±1.5		±0.75	±1.5		±0.75	±1.5	%SPAN
REPEATABILITY AND HYSTERESIS		±0.5			±0.2			±0.2			±0.2		%SPAN
OVERPRESSURE (P2>P1; P1>P2)			20			20			45			60	PSI

ALL PRESSURE RANGES	MIN	NOM	MAX	UNITS
EXCITATION VOLTAGE		10	16	VDC
INPUT RESISTANCE	5.5K	7.5K	11.5K	OHMS
OUTPUT RESISTANCE	1.5K	2.5K	3.0K	OHMS
RESPONSE TIME			1.0	ms

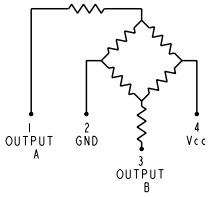
TEMPERATURE RANGES	
STORAGE	-55°C TO +100°C (-67°F TO +212°F)
OPERATE	-40°C TO +85°C (-40°F TO +185°F)
COMPENSATED	0 TO +50°C (+32°F TO +122°F)

CATALOG LISTING	LASER BRAND 9
26PCBFA3G	6BF3G
26PCCFA3G	6CF3G
26PCDFA3G	6DF3G
26PCCFD3G	6CF3G
26PCBFJ3G	6BF3G
26PCCFJ3G	6CF3G
26PCAFJ3G	6AF3G

26PC_F_3G

- STYLE
  - (G) GAGE
- TERMINATION
  - (3) 1 X 4 (.60 IN.)
- PORT
  - (A) STRAIGHT
  - (D) MODULAR
  - (J) SMALL NEEDLE
- SEAL
  - (F) FLUOROSILICONE
- PRESSURE
  - (A) 1 PSI 8
  - (B) 5 PSI 8
  - (C) 15 PSI 8
  - (D) 30 PSI 8

CIRCUIT DIAGRAM



OUTPUT "B" INCREASES AS P2 PRESSURE INCREASES

OUTPUT "A" DECREASES AS P2 PRESSURE INCREASES

METRIC	INCHES
0.41	.016
0.51	.020
1.02	.040
1.3	.05
1.8	.07
1.93	.076
2.3	.09
2.5	.10
5.1	.20
6.4	.25
7.9	.31
8.9	.35
9.1	.36
12.7	.50
15.3	.60
16.3	.64
21.8	.86
22.1	.87

NOTES

1. SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN OUTPUT AT MAXIMUM RATED OPERATING PRESSURE AND OUTPUT AT 0 PSI
2. TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C
3 - INPUT MEDIA LIMITED ONLY TO THOSE MATERIALS THAT WILL NOT ATTACK SILICON, THE HOUSING MATERIAL OR SEAL MATERIAL
4 - TERMINALS ARE PLATED FOR SOLDERING (LIMIT SOLDERING TO 315°C FOR 10 SECONDS MAXIMUM)
5. PIN 4 IS IDENTIFIED BY NOTCH IN LEAD
6 - SENSOR IS OPERATIONAL OVER VACUUM PRESSURE RANGE
7 - RATIOMETRIC TO SUPPLY VOLTAGE#
8. DIE ROTATED 90°
9. CATALOG LISTING AND DATE CODE HERE. ALTERNATE FORMAT OF CATALOG LISTING IS THE ENTIRE CATALOG LISTING

ANSI Y14.5M-1982 APPLIES

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BRIDGE PRESSURE SENSOR

CATALOG LISTING
26PC SERIES CHART 7

THIRD ANGLE PROJECTION
SCALE 3 : 1
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

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

WEIGHT 2 OZ.

26PC SERIES CHART 7 — PAGE 1 OF 1 — RELEASE NO. CO-74532 — REPLACES -
DRAWING NUMBER — ISSUE 12 — CHECK

REVISIONS
A 204806 TEM 26(F01)
B 001143 CSL 26 AUG 03
C 013806 CMV 28JUN05 AK
CHECK SAV 24MAY99 CHECK 24MAY99 CHECK 28JUN05

PTC/CAD 20 DRAWN JAF 24MAY99

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