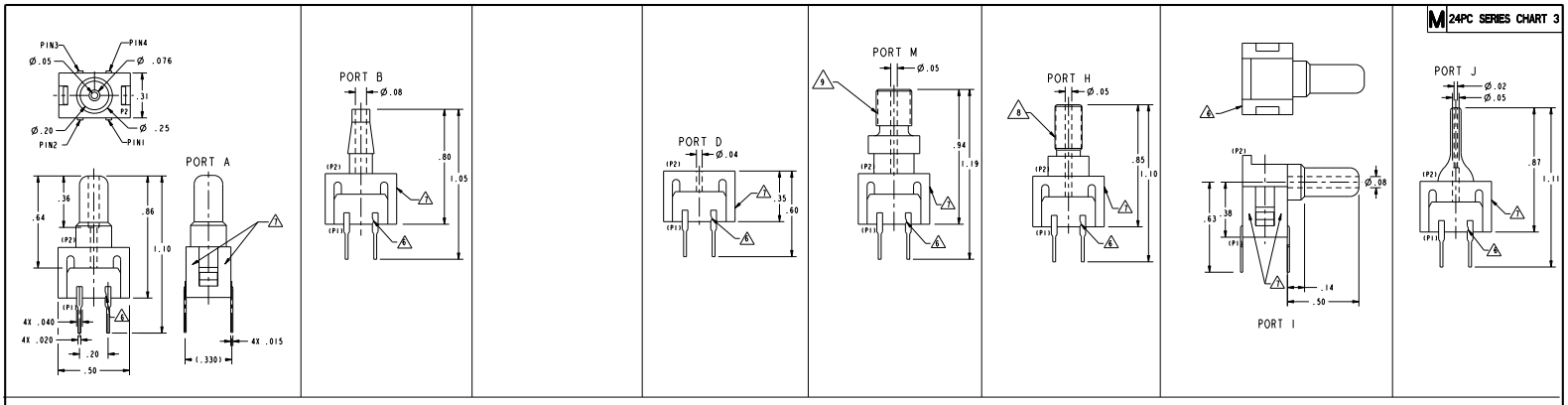


M 24PC SERIES CHART 3

24PC___2G

- STYLE
  - (G) GAGE
- TERMINATION
  - (2) 2 X 2
- PORT
  - (A) STRAIGHT
  - (B) BARB
  - (D) MODULAR
  - (H) 5mm THREAD
  - (I) 90°
  - (J) SMALL NEEDLE
  - (M) 1/4-28 THREAD
- SEAL
  - (F) FLUOROSILICONE
  - (N) NEOPRENE
- OPERATING PRESSURE
  - (A) 1 PSI
  - (B) 5 PSI
  - (C) 15 PSI
  - (D) 30 PSI
  - (E) .5 PSI
  - (F) 100 PSI
  - (G) 250 PSI

CATALOG LISTING	LASER BRAND ⚠1
24PCGFM2G	4GF2G
24PCCFM2G	4CF2G
24PCDFA2G	4DF2G
24PCDFB2G	4DF2G
24PCAFB2G	4AF2G
24PCBFB2G	4BF2G
24PCAFA2G	4AF2G
24PCAFD2G	4AF2G
24PCBFA2G	4BF2G
24PCBFJ2G	4BF2G
24PCCFA2G	4CF2G
24PCCFH2G	4CF2G
24PCEFB2G	4EF2G
24PCFFA2G	4FF2G
24PCFFH2G	4FF2G
24PCGFB2G	4GF2G
24PCFFJ2G	4FF2G
24PCFFB2G	4FF2G
24PCGFA2G	4GF2G
24PCBNB2G	4BN2G
24PCAFJ2G	4AF2G
24PCGNH2G	4GN2G

NOTES:-

⚠1 SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN END POINTS (OUTPUT AT MINIMUM AND MAXIMUM PRESSURE)

⚠2 TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25° AND EXPRESSES THE DEVIATION THAT COULD OCCUR AS TEMPERATURE IS RAISED OR LOWERED TO LIMITS INDICATED

3 - INPUT MEDIA LIMITED ONLY TO THOSE MATERIALS THAT WILL NOT ATTACK POLYESTER, SILICON, OR FLUROSILICONE

4 - TERMINALS ARE PLATED FOR SOLDERING

5 - LIMIT SOLDERING TO 315° FOR 10 SECONDS MAX

⚠6 PIN 1 IS IDENTIFIED BY NOTCH IN LEAD

⚠7 BRAND CATALOG LISTING AND DATE CODE AS SHOWN. ALTERNATE FORMAT OF CATALOG LISTING BRAND IS THE ENTIRE CATALOG LISTING

⚠8 M5 THREADED PRODUCT:
RECOMMENDED TORQUE FOR SEALING: 4 IN-LBS
DO NOT EXCEED 6 IN-LBS OF TORQUE
SIZE 007 O-RING
O-RING COUNTERBORE DIMENSIONS:
Ø.300±.003 X ▽.040

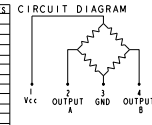
⚠9 1/4-28 UNF THREADED PRODUCT:
RECOMMENDED TORQUE FOR SEALING: 8 IN-LBS
DO NOT EXCEED 12 IN-LBS OF TORQUE
SIZE 009 O-RING
O-RING COUNTERBORE DIMENSIONS:
Ø.360±.003 X ▽.040±.002

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

PARAMETERS	PRESSURE RANGES (PSI)	MIN	TYPE	MAX	UNITS
NULL OFFSET	ALL	-30	0	+30	mV
NULL SHIFT ⚠1 0° TO 25°C OR 25° TO 50°C	ALL		±1.0		mV
SPAN ⚠1 P2 > P1	0 TO .5 G	25	35	45	mV
	0 TO 1 G	30	45	60	mV
	0 TO 5 G	85	115	145	mV
	0 TO 15 G	165	225	285	mV
	0 TO 30 G	240	330	420	mV
	0 TO 100 G	156	225	294	mV
	0 TO 250 G	145	212	280	mV
SENSITIVITY SHIFT ⚠1 0° TO 25°C OR 25° TO 50°C P2 > P1	ALL				%SPAN
AT 10 VDC	ALL		±0.5		%SPAN
AT 2 mV	ALL				%SPAN
LINEARITY P2 > P1 (BFSL) P1 > P2	ALL		0.2	1.0	%SPAN
REPEATABILITY & HYSTERESIS	ALL		±0.5		%SPAN
STABILITY OVER 1 YEAR	ALL				%SPAN
EXCITATION VOLTAGE	ALL		±1.5		%SPAN
INPUT RESISTANCE		4.0K	5.0K	6.0K	OHMS
OUTPUT RESISTANCE		4.0K	5.0K	6.0K	OHMS
(P1 > P2) (P2 > P1) OVERPRESSURE AT 25°C	0 TO .5 G			20	PSI
	0 TO 1 G			20	PSI
	0 TO 5 G			20	PSI
	0 TO 15 G			45	PSI
	0 TO 30 G			60	PSI
	0 TO 100 G			200	PSI
	0 TO 250 G			500	PSI
TEMPERATURE STORAGE	ALL	-55°C TO 100°C (-67°F TO +212°F)			
OPERATE	ALL	-40°C TO 85°C (-40°F TO +185°F)			

METRIC	INCHES
0,38	.015
0,6	.02
0,76	.030
1,0	.04
1,3	.05
2,0	.08
3,6	.14
3,8	.15
5,1	.20
6,4	.25
7,9	.31
8,4	.33
8,9	.35
9,7	.38
12,7	.50
15,2	.60
16,0	.63
18,8	.74
20,4	.80
21,6	.85
21,8	.86
22,1	.87
23,9	.94
24,9	.98
26,7	1.05
27,9	1.10
28,2	1.11
30,2	1.19

CIRCUIT DIAGRAM



OUTPUT "A" INCREASES AS P2 PRESSURE INCREASES

OUTPUT "B" DECREASES AS P2 PRESSURE INCREASES

THIRD ANGLE PROJECTION

SCALE 3.2:1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

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

WEIGHT 2 OZ

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FED. MFG. CODE 01929

MICROSWITCH a Honeywell Division

BRIDGE PRESSURE SENSOR

CATALOG LISTING

24PC SERIES CHART 3

ANSI Y14.5M-1982 APPLIES

M 24PC SERIES CHART 3 REV. C PRR 19746 15 JAN 93

P/C/CAD 20 24 JAN 00

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