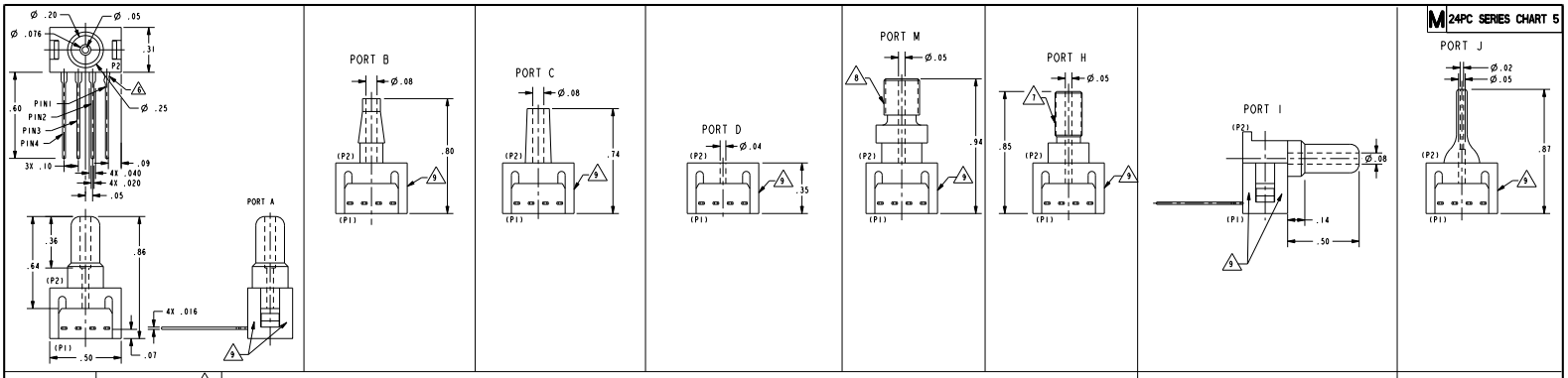
24PC SERIES CHART 5



CATALOG LISTING	BRAND DESIGNATION 9
24PCFFH6G	4FF6G
24PCEFH6G	4EF6G
24PCCFH6G	4CF6G
24PCEFA6G	4EF6G
24PCAFA6G	4AF6G
24PCBFA6G	4BF6G
24PCBFD6G	4BF6G
24PCBFH6G	4BF6G
24PCCFA6G	4CF6G
24PCDFA6G	4DF6G
24PCFFA6G	4FF6G
24PCEFD6G	4EF6G
24PCAFD6G	4AF6G
24PCBFB6G	4BF6G
24PCCFB6G	4CF6G
24PCCFD6G	4CF6G
24PCDFB6G	4DF6G
24PCDFC6G	4DF6G
24PCDND6G	4DN6G
24PCFFB6G	4FF6G
24PCFFC6G	4FF6G
24PCFFD6G	4FF6G
24PCFFM6G	4FF6G
24PCFND6G	4FN6G
24PCGFA6G	4GF6G
24PCGFB6G	4GF6G
24PCGFH6G	4GF6G
24PCGFM6G	4GF6G
24PCGND6G	4GN6D
24PCGNH6G	4GN6G
24PCEFJ6G	4EF6G
24PCAND6G	4AN6G
24PCBND6G	4BN6G
24PCDFD6G	4DF6G
24PCAFH6G	4AF6G
24PCEFM6G	4EF6G
24PCCFM6G	4CF6G
24PCAFJ6G	4AF6G
24PCDFH6G	4DF6G

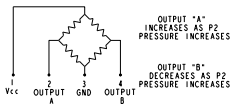
24PC___6G

- STYLE
  - (G) GAGE
- TERMINATION
  - (6) 1 X 4 (.60 IN.)
- PORT
  - (A) STRAIGHT
  - (B) BARB
  - (C) LUER
  - (D) MODULAR
  - (M) 1/4-28 THREAD
  - (N) 5mm THREAD
  - (1) 90°
  - (J) SMALL NEEDLE
  - (K) -90°
- SEAL
  - (F) FLUOROSILICONE (50 DURO)
  - (N) NEOPRENE
- PRESSURE
  - (A) 1 PSI
  - (B) 5 PSI
  - (C) 15 PSI
  - (D) 30 PSI
  - (E) .5 PSI
  - (F) 100 PSI
  - (G) 250 PSI

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

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

CIRCUIT DIAGRAM



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°C 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, BUNA-N 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. 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
8. 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
9. BRAND 5 DIGIT LISTING AND 6 DIGIT DATE CODE (YYYYWW). ALTERNATE FORMAT OF CATALOG LISTING BRAND IS THE ENTIRE CATALOG LISTING

METRIC	INCHES
0,41	.016
0,51	.020
1,02	.040
1,3	.05
1,8	.07
2,0	.08
2,3	.09
2,5	.10
3,6	.14
5,1	.20
6,4	.25
7,9	.31
8,9	.35
12,7	.50
15,3	.60
18,8	.74
20,4	.80
21,6	.85
21,8	.86
22,1	.87
23,9	.94

THIRD ANGLE PROJECTION
SCALE 3 : 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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BRIDGE PRESSURE SENSOR

CATALOG LISTING
24PC SERIES CHART 5

ANSI Y14.5M-1982 APPLIES

PTC/CAD 10
S A V T 23JAN01 SAV
REVISIONS
M 24PC SERIES CHART 5 SHEET 1 OF 1
DRAWING NUMBER 24DEP01
CHK 26JAN01
ENGR 28JAN01
MFG
QUALITY
TEST
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