

REV	DOCUMENT	CHANGED BY	CHECK
3	0033382	AB 30AUG07	CMH

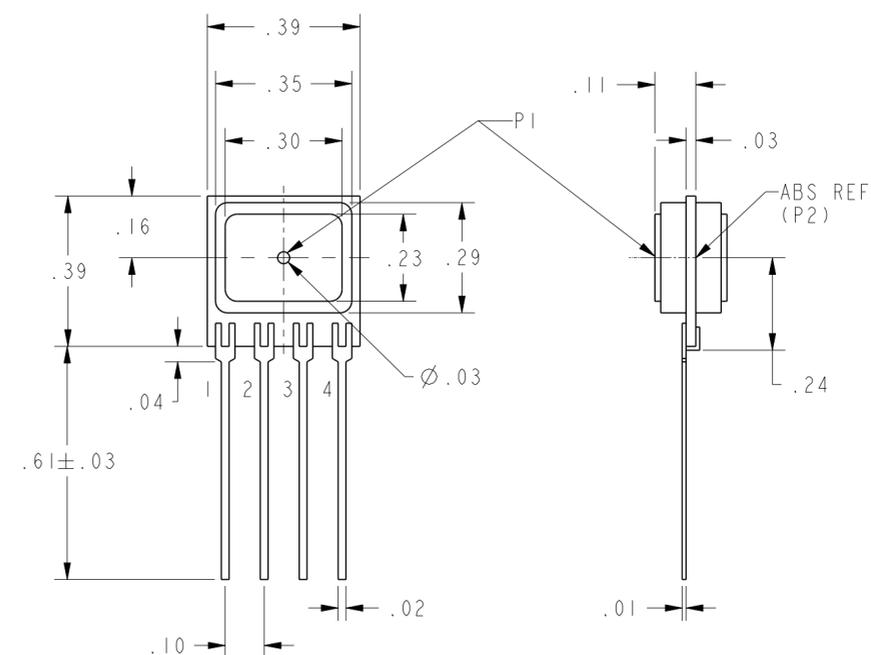
**CPC**  
**DESIGNATES PRESSURE**  
 - NO DESIGNATION (PSI)  
**PRESSURE RANGE**  
 05, 15, 30,  
 60, 100, 150 PSIA

**A**  
**ACCURACY GRADE**  
**C** - COMMERCIAL GRADE  
**H** - HIGH GRADE  
**PORT OPTION**  
**F** - AXIAL  
 - NO PORT/O-RING SEAL  
**PRESSURE REFERENCE**  
**A** - ABSOLUTE

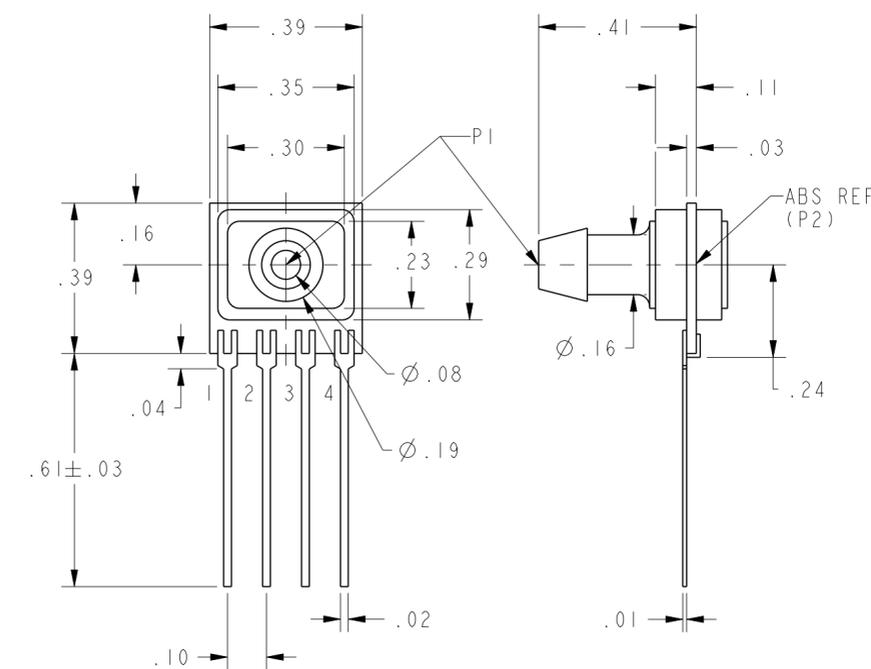
**CATALOG LISTINGS**

CPC15AC
CPC15AFH
CPC15AFC
CPC15AH
CPC30AFH
③
CPC60AH
CPC100AFC
CPC100AFH
②
CPC150AFH

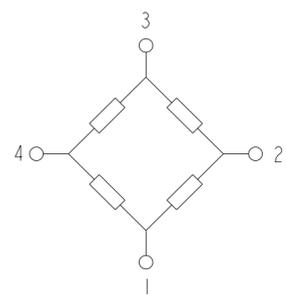
A - STYLE (ABSOLUTE)	PERFORMANCE AT 25°C AND 12±0.01 Vdc (UNLESS OTHERWISE STATED)							UNITS	FULL SCALE PRESSURE PSI	PROOF PRESSURE PSI	BURST PRESSURE PSI
	C-GRADE			H-GRADE							
	MIN	NOM	MAX	MIN	NOM	MAX					
NULL OFFSET (0 PSIA), ALL LISTINGS	-1	0	1	-0.5	0	0.5					mVdc
5 PSIA SPAN (P1>P2)	57	60	63	59	60	61		5	15	25	mVdc
15 PSIA SPAN (P1>P2)	85	90	95	89	90	91		15	45	75	mVdc
30 PSIA SPAN (P1>P2)	85	90	95	89	90	91		30	90	150	mVdc
60 PSIA SPAN (P1>P2)	85	90	95	89	90	91		60	180	300	mVdc
100 PSIA SPAN (P1>P2)	95	100	105	99	100	101		100	250	400	mVdc
150 PSIA SPAN (P1>P2)	85	90	95	89	90	91		150	250	400	mVdc
NULL SHIFT OVER TEMPERATURE (0-25, 25-70 °C) ②	---	---	±1	---	---	±.5					mV
SPAN SHIFT OVER TEMPERATURE (0-25, 25-70 °C) ②	---	---	±2	---	---	±1					% SPAN
COMBINED LINEARITY AND HYSTERESIS ③	---	0.25	1	---	0.25	0.5					% SPAN



**A HOUSING**



**AF HOUSING**



**EQUIVALENT CIRCUIT**

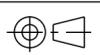
PIN OUT	
1	-V EXCITATION
2	+ OUTPUT SIGNAL
3	+ V EXCITATION
4	- OUTPUT SIGNAL

GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES AND GRADES			UNITS
	MIN	NOM	MAX	
EXCITATION VOLTAGE	3	12	16	Vdc
SUPPLY CURRENT	---	---	3.5	mA
INPUT RESISTANCE	5	---	---	K-OHMS
OUTPUT RESISTANCE	---	3	---	K-OHMS
OPERATING TEMPERATURE	-25	---	85	°C
STORAGE TEMPERATURE	-40	---	125	°C

**NOTES**

- 1 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUPUT AT FULL SCALE PRESSURE AND THE OFFSET OUTPUT
- ② TEMPERATURE ERROR IS CALCULATED WITH RESPECT TO 25°C
- ③ LINEARITY IS MEASURED AT 1/2 FULL SCALE PRESSURE USING BEST STRAIGHT LINE FIT
- 4 - THE OUTPUT OF THE SENSOR IS PROPORTIONAL, RATIOMETRIC, TO THE EXCITATION VOLTAGE. THE EXCITATION MAY VARY BETWEEN 3 TO 16 Vdc. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF  $V_{EXCITATION}/12.0$  Vdc
- 5 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
- 6 - PIN 1 IS IDENTIFIED BY THE DOT ON THE HOUSING AS SHOWN ON THE VARIOUS DRAWINGS
- 7 - APPLY PRESSURE TO PORT INDICATED ON THE DRAWINGS SHOWN
- 8 - SENSORS ARE OPERATIONAL OVER VACUUM PRESSURE RANGE
- 9 - INPUT MEDIA RESTRICTED TO DRY GASES ONLY

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	<input checked="" type="checkbox"/> US (inch) CUSTOMARY	<input type="checkbox"/> SI (mm) METRIC	DRAWN	TRF	02APRO1	<b>Honeywell</b>			
NO PLACE	X	±.040 ±1	CHECK	SAV	02APRO1				
ONE PLACE	.X	±.030 ±0,4	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE			
TWO PLACE	.XX	±.015 ±0,15				PRESSURE SENSOR			
THREE PLACE	.XXX	±.005 ±				SIZE	DWG TYPE	DRAWING NAME	REV
ANGLES	±	±				<b>C</b>	<b>I</b>	<b>CPC ABS SERIES CHART 1</b>	<b>3</b>
RAW MATERIAL-COMMERCIAL STANDARD	±	±	3D PTC	ASME Y14.5M-1994	SCALE	3:1	WEIGHT	SHEET	1 OF 1



THIRD ANGLE PROJECTION

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