

REV	DOCUMENT	CHANGED BY	CHECK
3	0033382	AB 30AUG07	CMH

SERIES **CPX**

DESIGNATES PRESSURE

- NO DESIGNATION (PSI)

PRESSURE RANGE

05, 15, 30,
60, 100, 150 PSIA

ACCURACY GRADE

C - COMMERCIAL GRADE
- NO DESIGNATION
COMMERCIAL GRADE

PORT OPTION

F - AXIAL
- NO PORT/O-RING SEAL

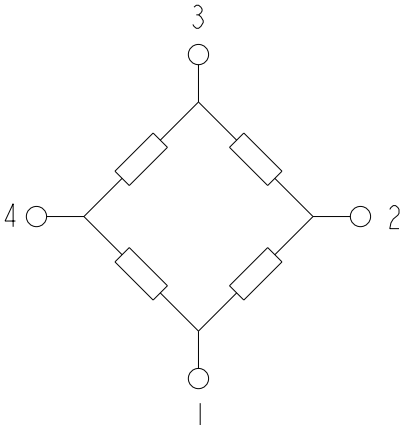
PRESSURE REFERENCE

A - ABSOLUTE

CATALOG LISTINGS
②
CPXI5AF
②
③
③

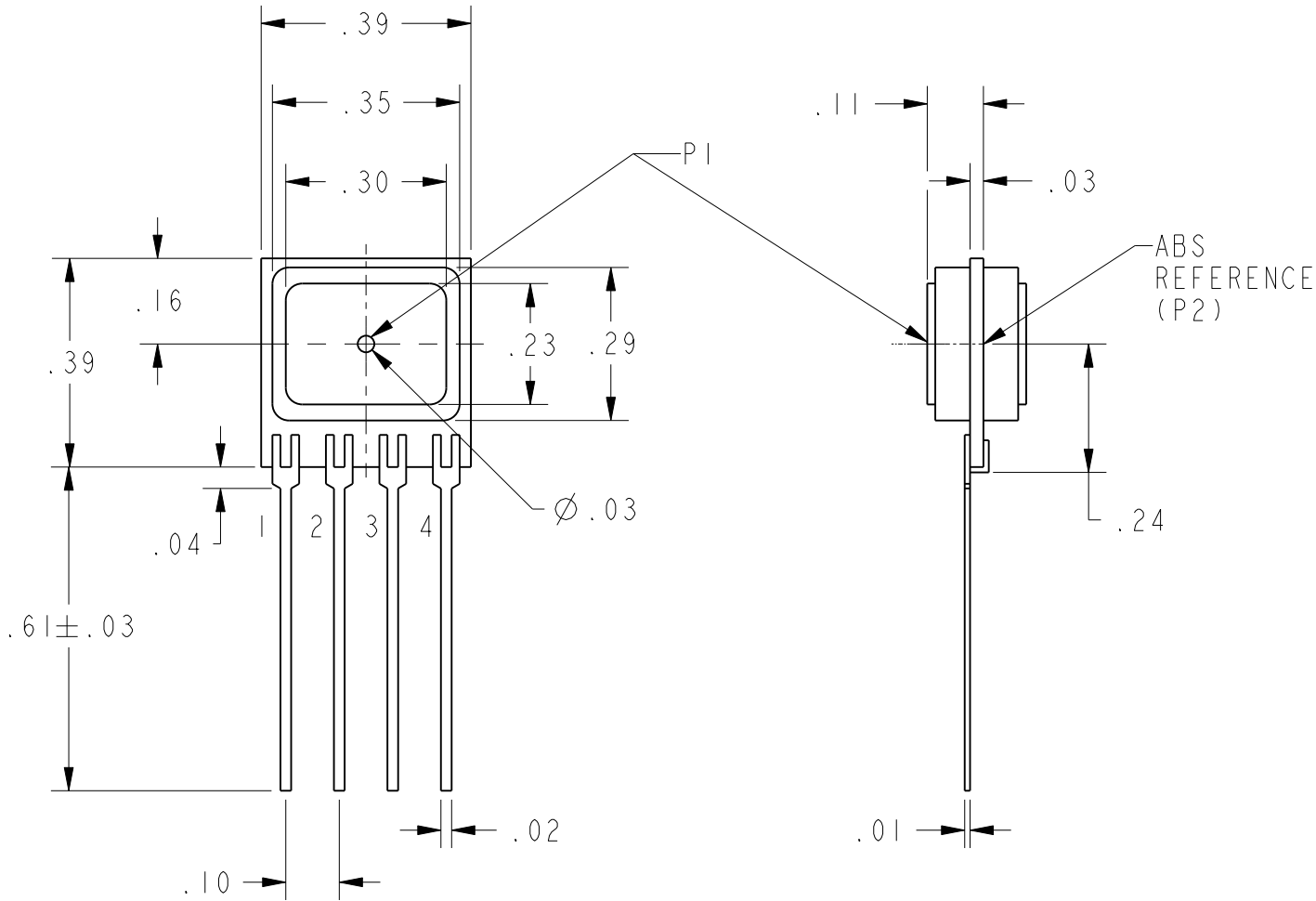
CPX A STYLE (ABSOLUTE)	PERFORMANCE AT 25°C AND 5±0.01 Vdc (UNLESS OTHERWISE STATED)					
	C-GRADE			UNITS	FULL SCALE PRESSURE PSI	PROOF PRESSURE PSI
	MIN	NOM	MAX			
OFFSET (0 PSIA) (FOR ALL ABSOLUTE LISTINGS)	-50	0	50	mV		
5 PSIA SPAN (P1>P2)	112	168.5	225	mV	5	15
15 PSIA SPAN (P1>P2)	168	253	338	mV	15	45
30 PSIA SPAN (P1>P2)	168	253	338	mV	30	90
60 PSIA SPAN (P1>P2)	189	263.5	338	mV	60	180
100 PSIA SPAN (P1>P2)	210	295	380	mV	100	250
150 PSIA SPAN (P1>P2)	187	262.5	338	mV	150	250
TEMPERATURE CHANGE BRIDGE RESISTANCE	---	2600	---	ppm/°C		
TEMPERATURE CHANGE SPAN	---	-1800	---	ppm/C°		
COMBINED LINEARITY AND HYSTERESIS $\triangle 2$	---	---	1	% SPAN		

GENERAL OPERATING CHARACTERISTICS	ALL PRESSURES AND GRADES			
	MIN	NOM	MAX	UNITS
EXCITATION VOLTAGE	---	5	12	Vdc
INPUT RESISTANCE	---	3000	---	OHMS
OUTPUT RESISTANCE	---	3000	---	OHMS
OPERATING TEMPERATURE	-25	25	85	°C
STORAGE TEMPERATURE	-40	---	125	°C

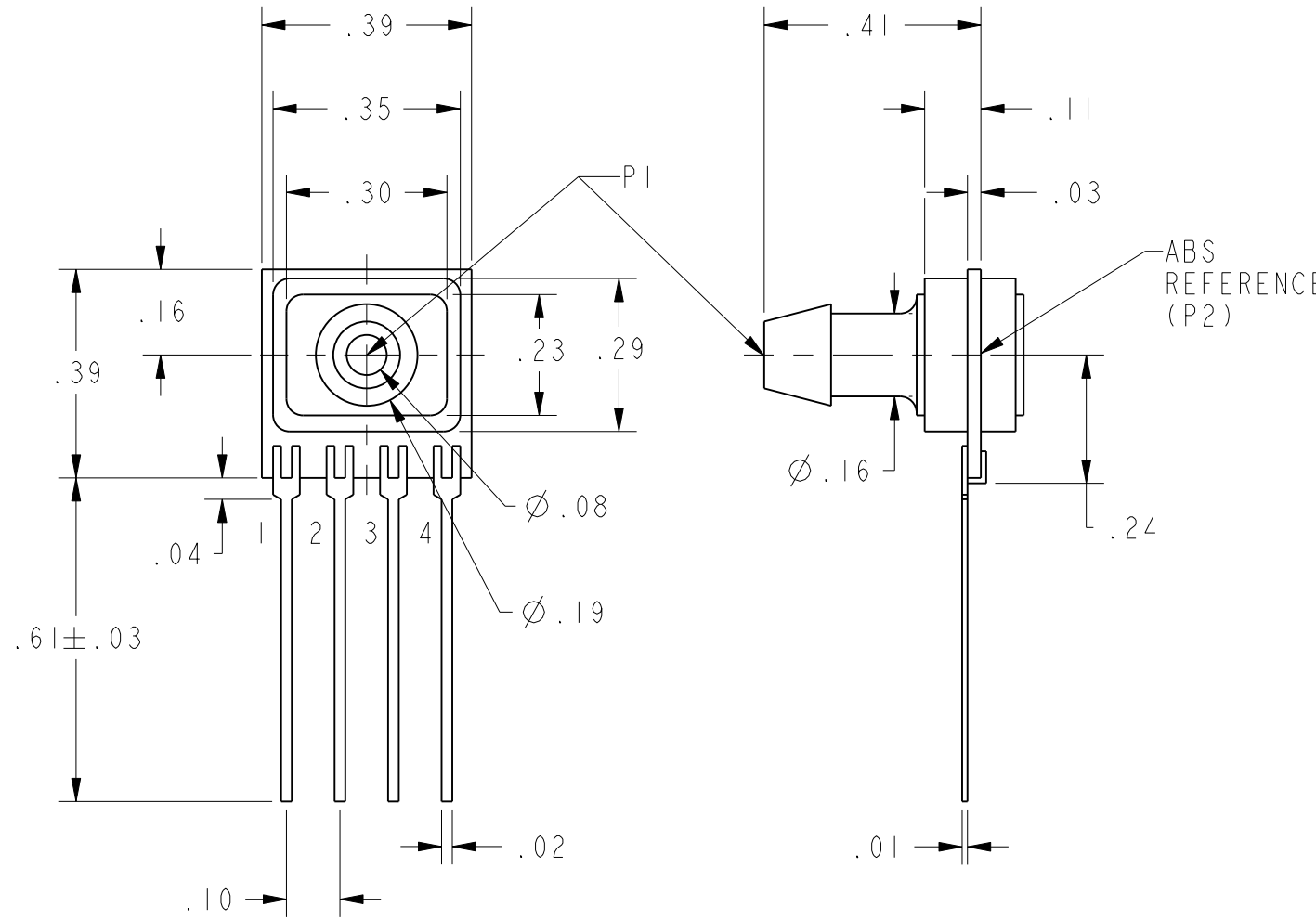


EQUIVALENT CIRCUIT

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



A HOUSING



AF HOUSING

- NOTES
- 1 - SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUPUT AT FULL SCALE PRESSURE AND THE OFFSET OUTPUT
- $\triangle 2$ LINEARITY IS MEASURED AT 1/2 FULL SCALE PRESSURE USING BEST STRAIGHT LINE FIT
- 3 - THE OUTPUT OF THE SENSOR IS PROPORTIONAL, RATIOMETRIC, TO THE EXCITATION VOLTAGE. ALL SPECIFICATIONS WILL NOMINALLY BE CHANGED BY THE RATIO OF $V_{EXCITATION}/5.0$ Vdc
- 4 - LIMIT SOLDERING TO 315°C FOR LESS THAN 10 SECONDS
- 5 - APPLYING PRESSURE TO PORT INDICATED ON THE DRAWINGS SHOWN
- 6 - SENSORS ARE OPERATIONAL OVER VACUUM PRESSURE RANGE
- 7 - P1 INPUT MEDIA RESTRICTED TO DRY GASES ONLY

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			☒ US (inch) CUSTOMARY	☐ SI (mm) METRIC	DRAWN	TRF	19MAR01	Honeywell			
NO PLACE .X ±.040 ±1					CHECK	SAV	19MAR01				
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 ±								C I CPX ABS SERIES CHART 1 3			
RAW MATERIAL-COMMERCIAL STANDARD					DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED			SCALE 3:1 WEIGHT SHEET 1 OF 1			
THIRD ANGLE PROJECTION					3D PTC ASME Y14.5M-1994						
