

HONEYWELL
PART NUMBER
AWM3130V

REV	DOCUMENT	CHANGED BY	CHECK
3	0013772	RS 20JUN05	AK

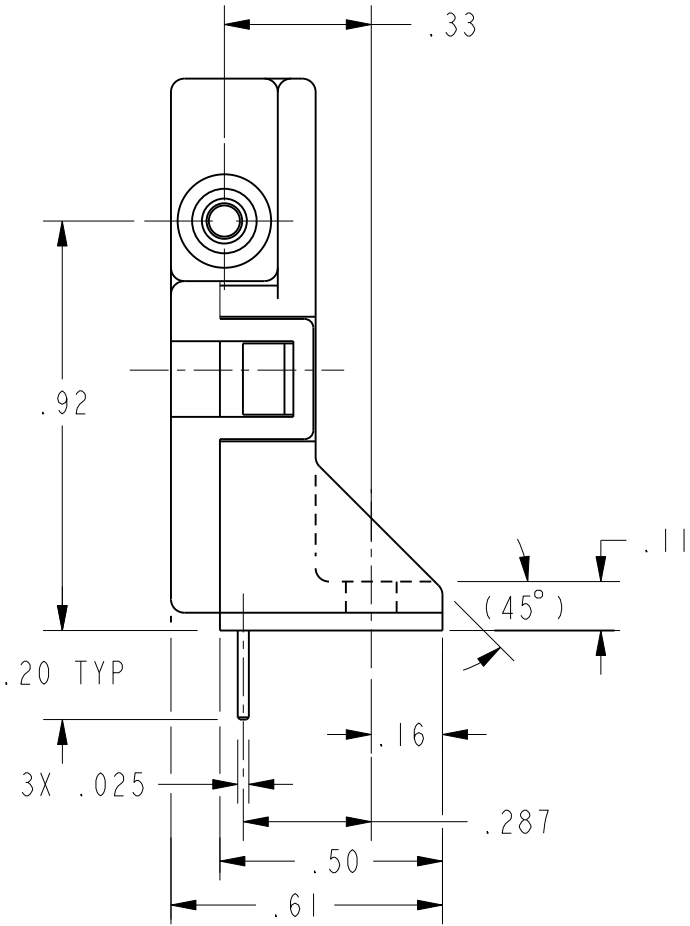
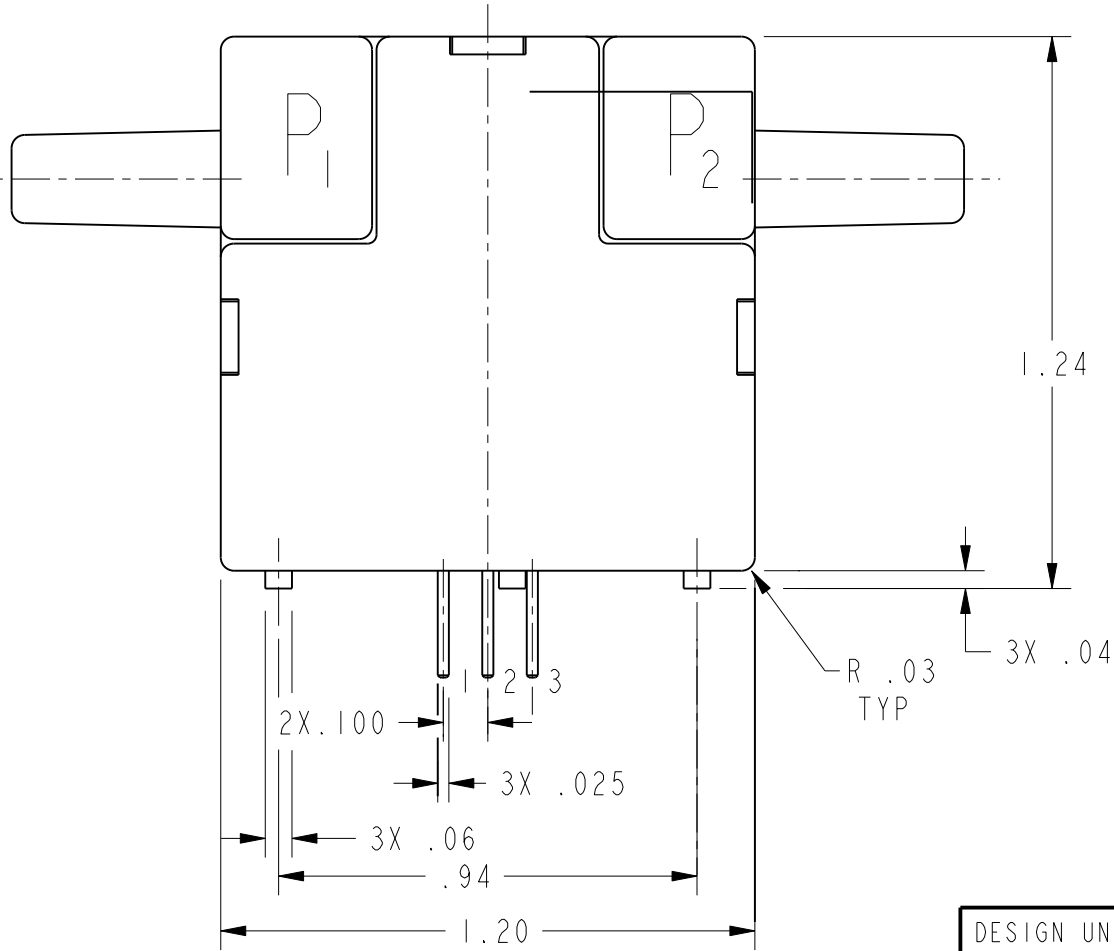
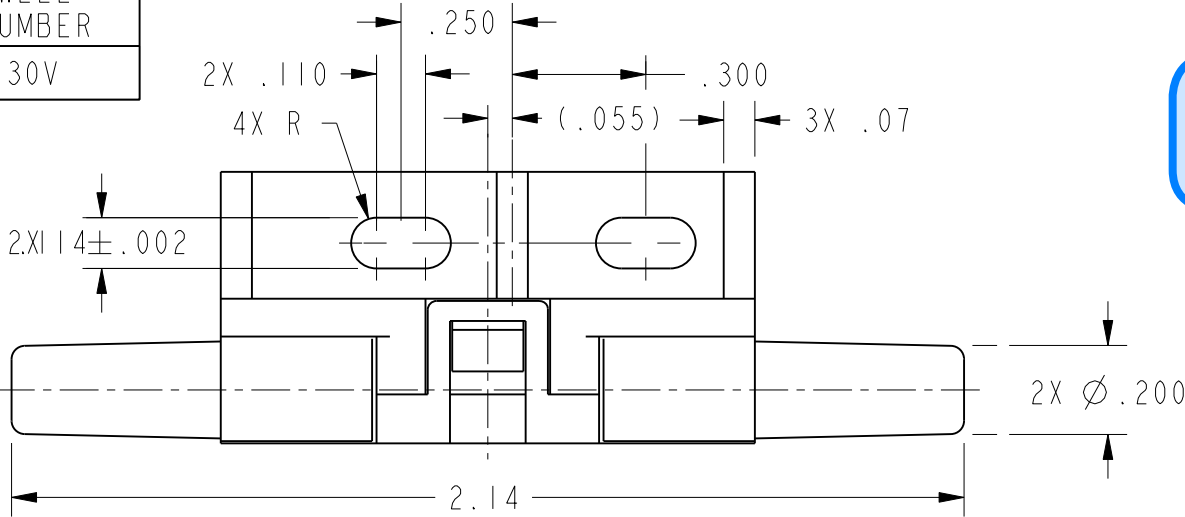
Промэлектроника
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SPECIFICATIONS:	AWM3130V
RECOMMENDED EXCITATION	10.00±.01VDC
POWER CONSUMPTION	30mW
OUTPUT VOLTAGE @ LASER TRIM POINT	3.40 VDC
NULL VOLTAGE	1.00±.1 VDC
NULL VOLTAGE SHIFT (-25 °C TO +85 °C)	±00mV
OUTPUT VOLTAGE SHIFT (+25 °C TO -25 °C)	± 5% READING
(+25 °C TO +85 °C)	± 5% READING
REPEATABILITY & HYSTERESIS	± 1% READING MAX
RESPONSE TIME	3.0 msec MAX
OPERATING TEMPERATURE RANGE	-25° C TO +85° C
STORAGE TEMPERATURE RANGE	-40° C TO +90° C
TERMINATION (ON .100 CENTERS)	0.025 SQ. IN.
WEIGHT	10.8 GRAMS TYP
SHOCK RATING (5 DROPS, EACH OF 6 AXES)	100G PEAK
OVERPRESSURE	25 psi MAX

AWM3130V OUTPUT VS FLOW			
FLOW (SCCM)	NOMINAL (VDC)	TOL (±VDC)	TYP PRESSURE (IN H ₂ O)
30	3.75	0.70	0.022
20	2.90	0.45	0.014
10	1.95	0.20	0.007
5	1.50	0.10	0.004
0	1.00	0.05	0.000

OUTPUT CONNECTIONS

- PIN 1 OUTPUT VOLTAGE
PIN 2 + SUPPLY VOLTAGE
PIN 3 GROUND



NOTES

- 1 - POSITIVE FLOW DIRECTION IS DEFINED AS PROCEEDING FROM P1 TO P2 AND RESULTS IN POSITIVE OUTPUT (PIN 1 > PIN 3). NEGATIVE FLOW DIRECTION IS DEFINED CONVERSELY AND RESULTS IN NEGATIVE OUTPUT (PIN 1 < PIN 3)

DESIGN UNITS: INCH	
TOLERANCES UNLESS NOTED:	
NO PLACE	X ±
ONE PLACE	.X ±
TWO PLACE	.XX ±
THREE PLACE	.XXX ±
FOUR PLACE	.XXXX ±
ANGLES	X ±
THIRD ANGLE PROJECTION	

DRAWN	GJW	OIMARO I
CHECK	SAV	OIMARO I
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INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		
Pro/ENGINEER	2D	

Honeywell			
TITLE			
MASS AIRFLOW SENSOR			
SIZE	TYPE	DRAWING NAME	REV
B	I	AWM3130V	3
SCALE	3:1	SHEET 1 OF 1	