

HONEYWELL
PART NUMBER
AWM3130V

REV	DOCUMENT	CHANGED BY	CHECK
3	0013772	RS 20JUN05	AK

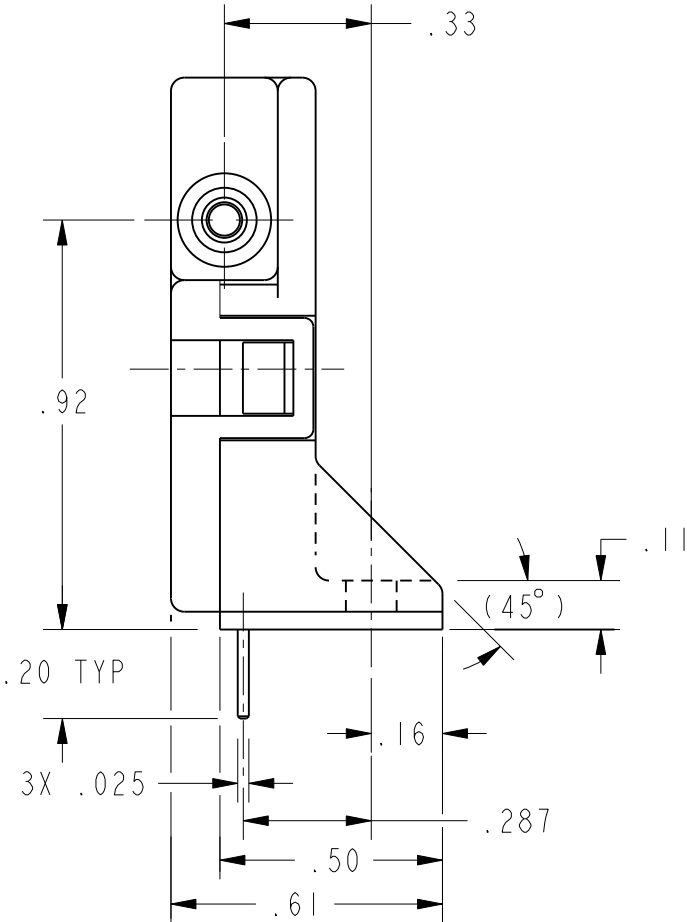
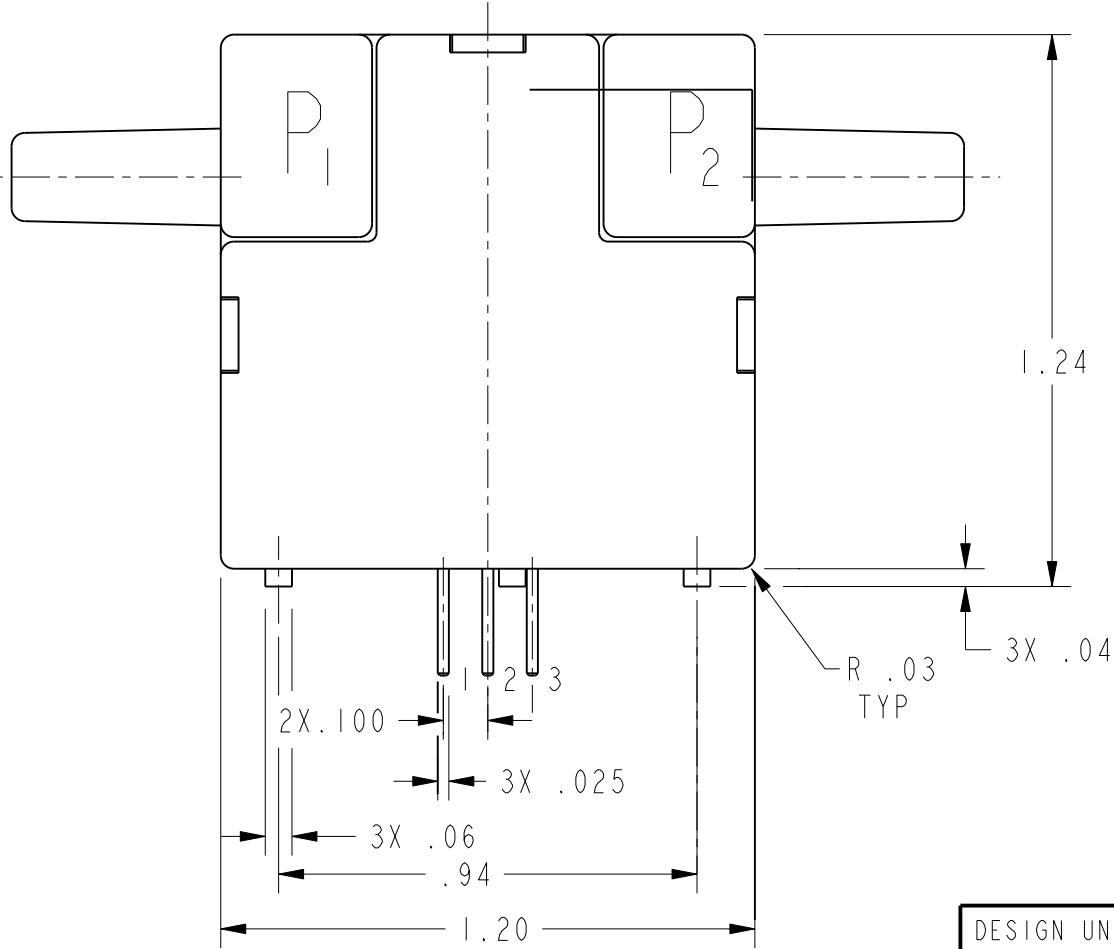
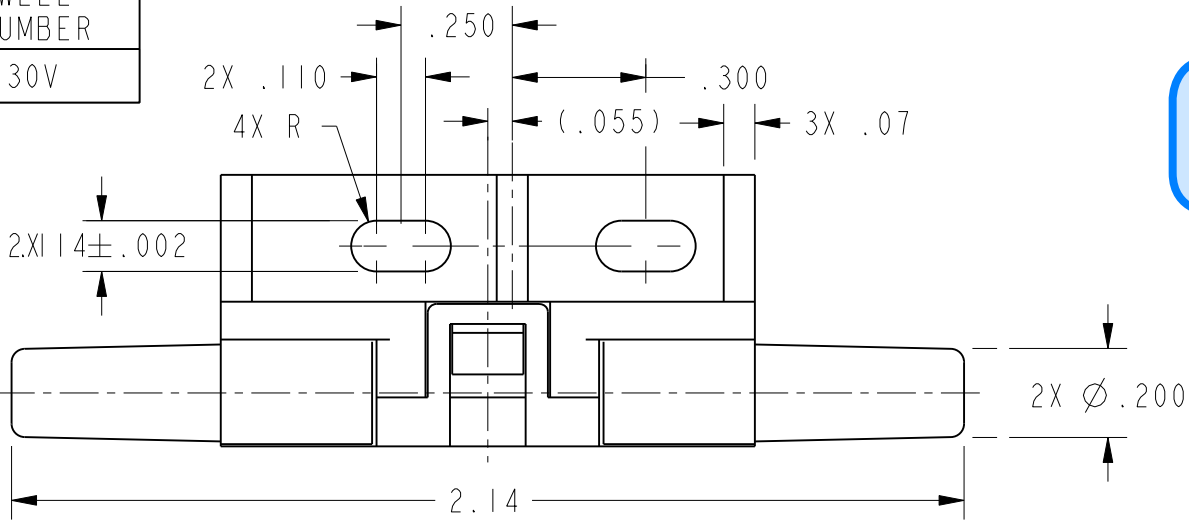
Промэлектроника
sales@prom-elec.com

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) (+25°C TO +85 °C)	± 5% READING ± 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 ±	.030
TWO PLACE .XX ±	.015
THREE PLACE .XXX ±	.005
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 B	TYPE I	DRAWING NAME AWM3130V	REV 3
SCALE 3:1	SHEET 1 OF 1		