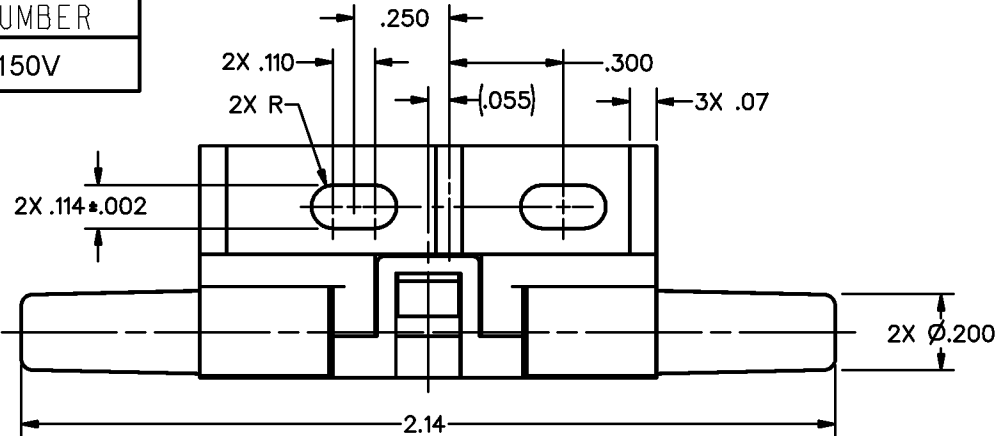


HONEYWELL
PART NUMBER
AWM3150V



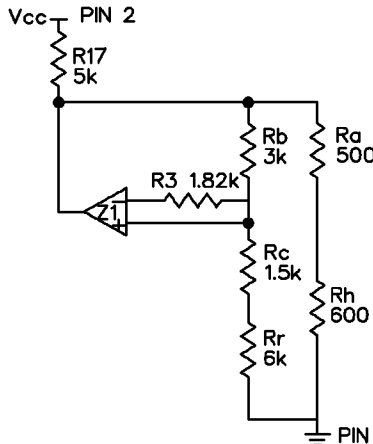
SPECIFICATIONS:	AWM3150V
RECOMMENDED EXCITATION	10.00 ±.01VDC
POWER CONSUMPTION	30mW
OUTPUT VOLTAGE • LASER TRIM POINT	5.00 VDC
NULL VOLTAGE	1.00 ±.1 VDC
NULL VOLTAGE SHIFT (-25°C TO +85°C)	±100mV
OUTPUT VOLTAGE SHIFT (+25°C TO -25°C)	±5% READING
(+25°C TO +85°C)	±5% READING
REPEATABILITY & HYSTERESIS	±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
SHOCK RATING (5 DROPS, EACH OF 6 AXES)	100G PEAK
OVERPRESSURE	25 psi MAX

REV	DOCUMENT	CHANGED BY	CHECK
6	0072139	MH 02DEC10	DSK

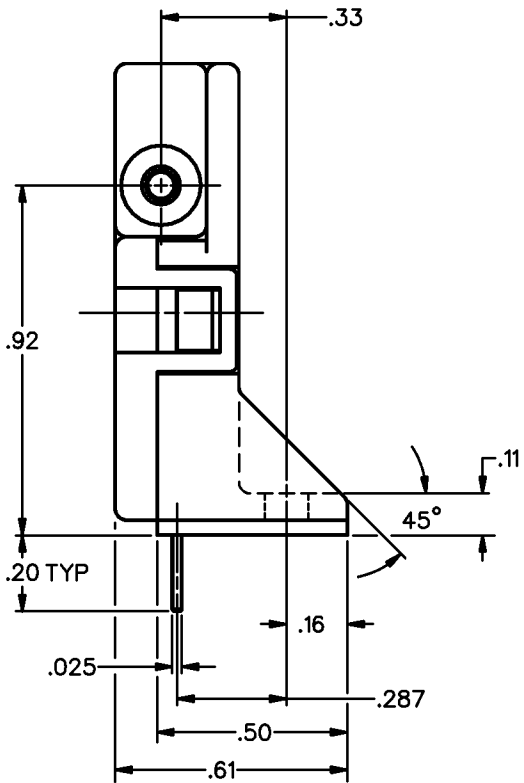
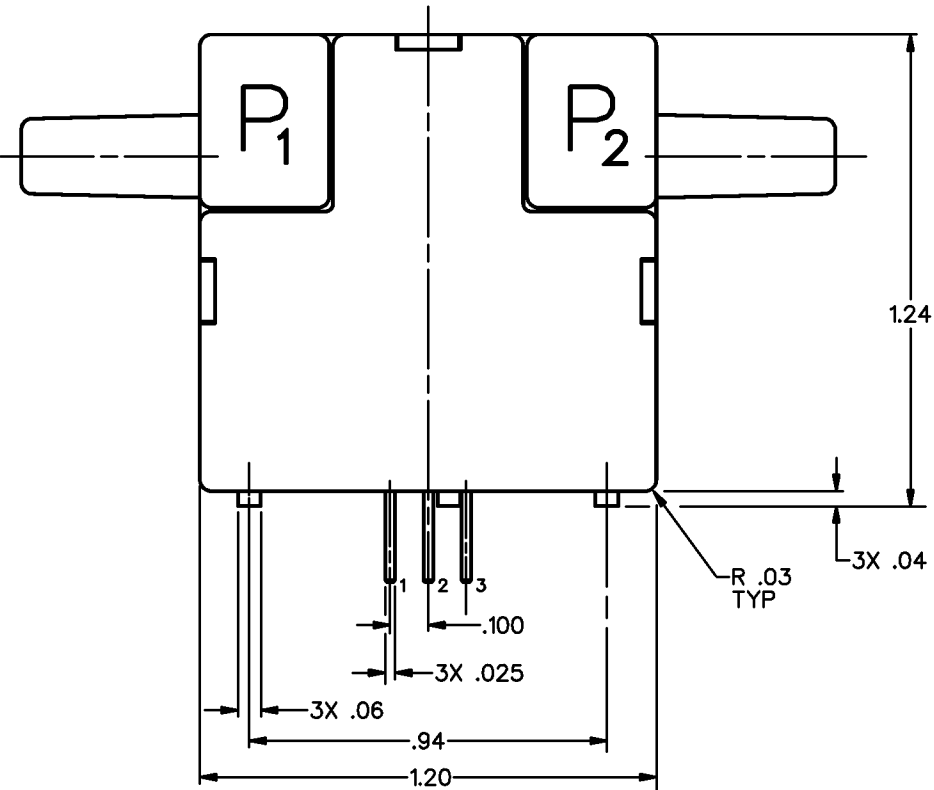
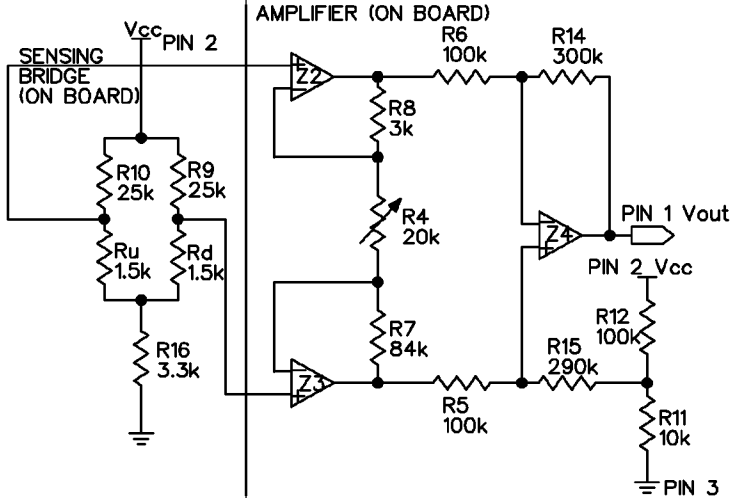
AWM3150V
OUTPUT FLOW VS. INTERCHANGEABILITY

FLOW SCAN	NOMINAL (VDC)	TOL. (±VDC)
30	3.75	0.70
20	2.90	0.45
10	1.95	0.20
5	1.50	0.10
4	1.40	0.09
3	1.30	0.08
2	1.20	0.07
1	1.10	0.06
0	1.00	0.10

HEATER CONTROL CIRCUIT



SENSING BRIDGE SUPPLY CIRCUIT AND
DIFFERENTIAL INSTRUMENTATION AMPLIFIER
(ON BOARD)



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	DRAWN	LJK	7MAY96
TOLERANCES UNLESS NOTED:	CHECK	TSM	9MAY96
NO PLACE X ± -	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.		
ONE PLACE .X ± .030			
TWO PLACE .XX ± .015			
THREE PLACE .XXX ± .005			
FOUR PLACE .XXXX ± -	INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		
ANGLES ± -			
THIRD ANGLE PROJECTION	RASTER		



Honeywell

TITLE			
MASS AIRFLOW SENSOR			
SIZE	TYPE	DRAWING NAME	REV
B	I	AWM3150V	6
SCALE	3:1	SHEET	1 OF 1