

DRAWING NUMBER
AWM2300VH

ISSUE
5

REVISIONS

28 APR 97

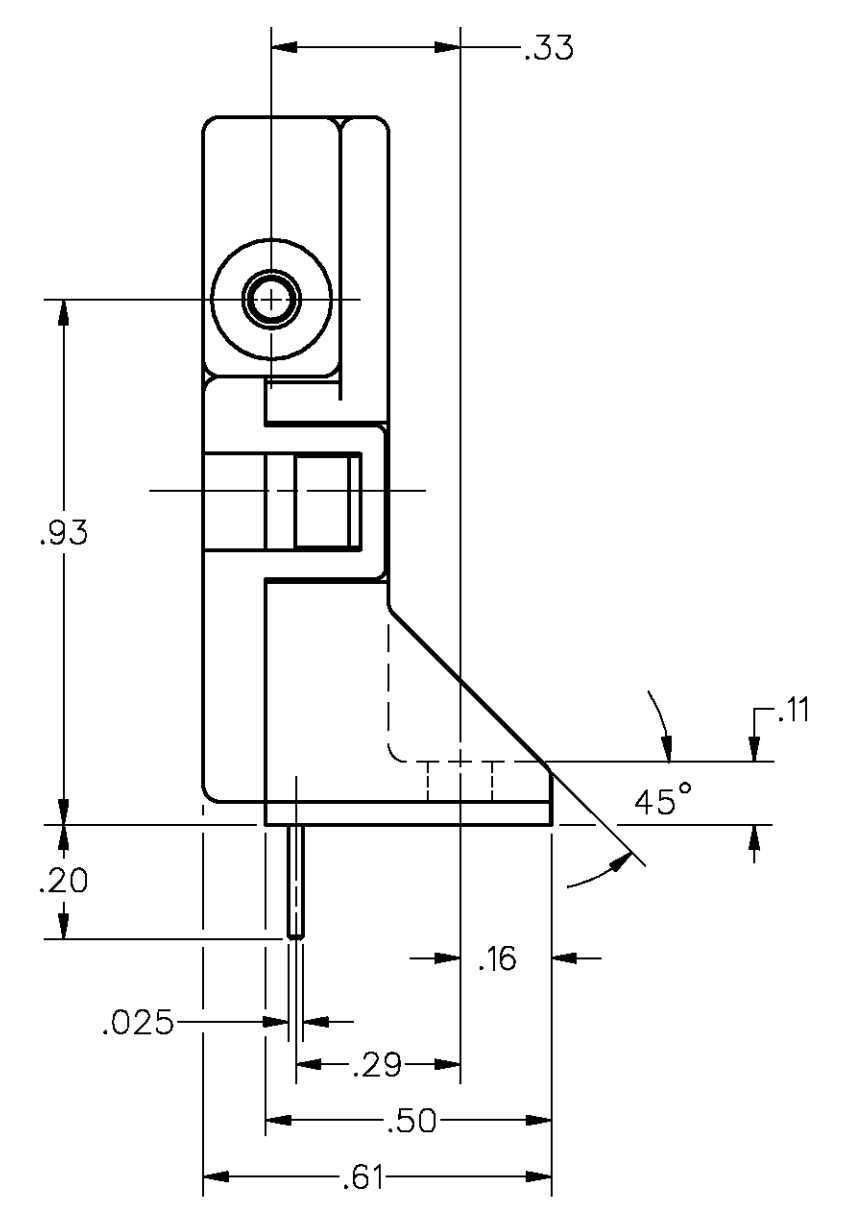
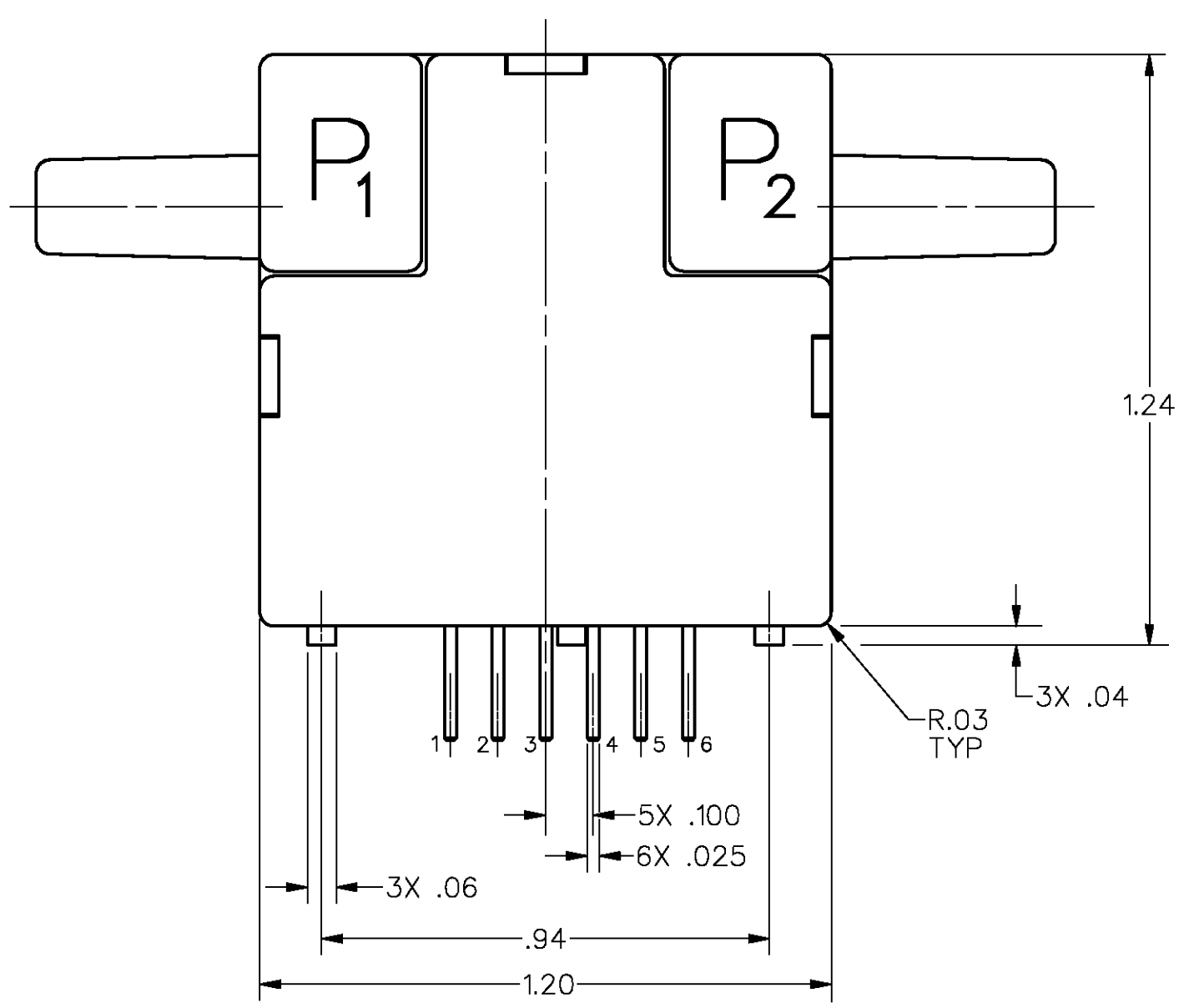
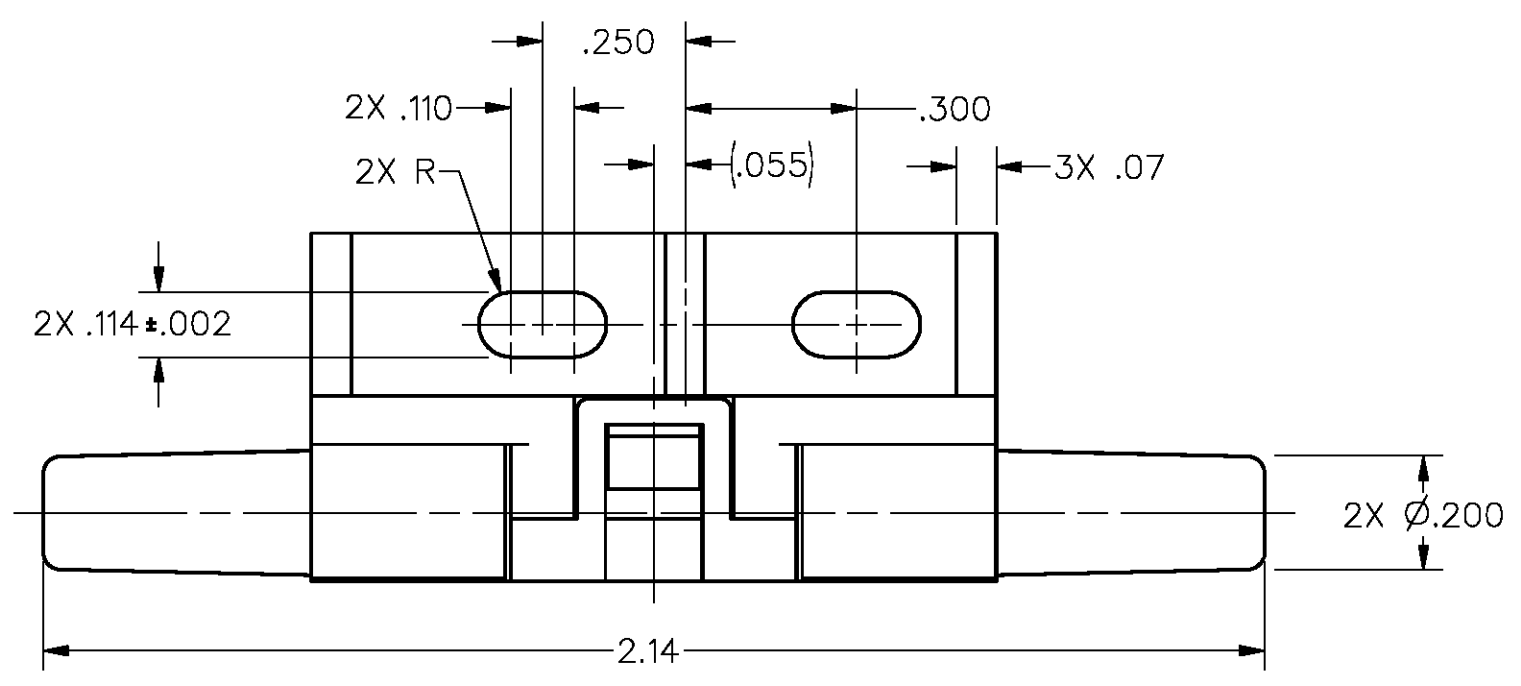
4 SEP 97

23 MAR 99

22 SEP 00

3 SEP 96

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES



SPECIFICATIONS:	AWM2100VH
RECOMMENDED EXCITATION (USING TEST CIRCUIT) 8VDC MIN	10.00±.01VDC (15.00 VDC MAX)
POWER CONSUMPTION	30mW
OUTPUT VOLTAGE TRIM POINT	30mV @ 100 sccm
NULL VOLTAGE	0.0±1.0mV
NULL VOLTAGE SHIFT (-25°C TO +85°C)	±.14mV TYP
OUTPUT VOLTAGE SHIFT (+25°C TO -25°C)	+2.5% F.S.O.
OUTPUT VOLTAGE SHIFT (+25°C TO +85°C)	-2.5% F.S.O.
REPEATABILITY & HYSTERESIS	±.35% F.S.O. 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
SENSOR RESISTANCE (PIN 2-PIN 1, PIN 6-PIN 1)	5 K-OHMS (TYP)
SENSOR CURRENT (PIN 2-PIN 1, PIN 6-PIN 1)	0.6 mA (MAX)

NOTES
1 - POSITIVE FLOW DIRECTION IS DEFINED AS PROCEEDING FROM P1 TO P2 AND RESULTS IN POSITIVE OUTPUT (PIN 6 > PIN 2).
NEGATIVE FLOW DIRECTION IS DEFINED CONVERSELY AND RESULTS IN NEGATIVE OUTPUT (PIN 6 < PIN 2)
2 - THIS PRODUCT IS COMPATIBLE WITH HYDROGEN GAS. THE NULL VOLTAGE WILL SHIFT LESS THAN .4MV

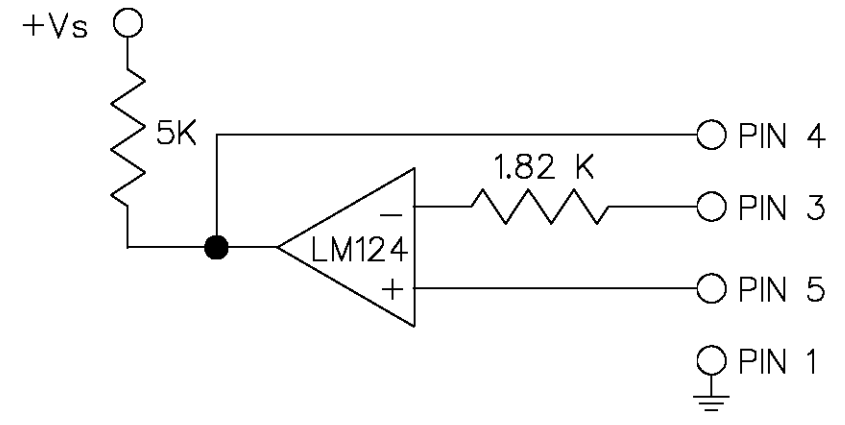
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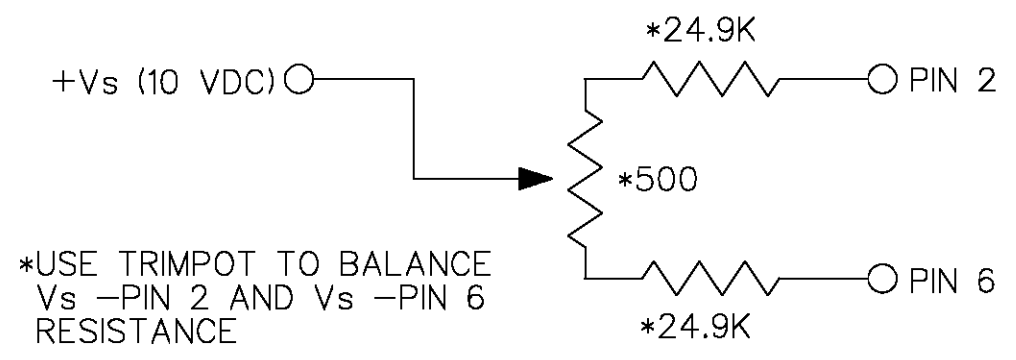
OUTPUT FLOW VS. INTERCHANGEABILITY

FLOW (Sccm)	NOMINAL (mV)	TOL. (±mV)
1000	55.50	3.70
800	52.90	3.5
650	50.00	2.50
400	40.50	3.00
200	29.20	3.20
0	0.00	1.0
-200	-28.90	15.00
-400	-41.20	26.00
-600	-48.20	29.50
-800	-52.50	32.50
-1000	-55.00	36.00

HEATER CONTROL CIRCUIT



SENSING BRIDGE SUPPLY CIRCUIT



*USE TRIMPOT TO BALANCE Vs -PIN 2 AND Vs -PIN 6 RESISTANCE

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CATALOG LISTING
AWM2300VH

THIRD ANGLE PROJECTION		
SCALE 3 : 1		
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±
WEIGHT		