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INSTRUCTIONS

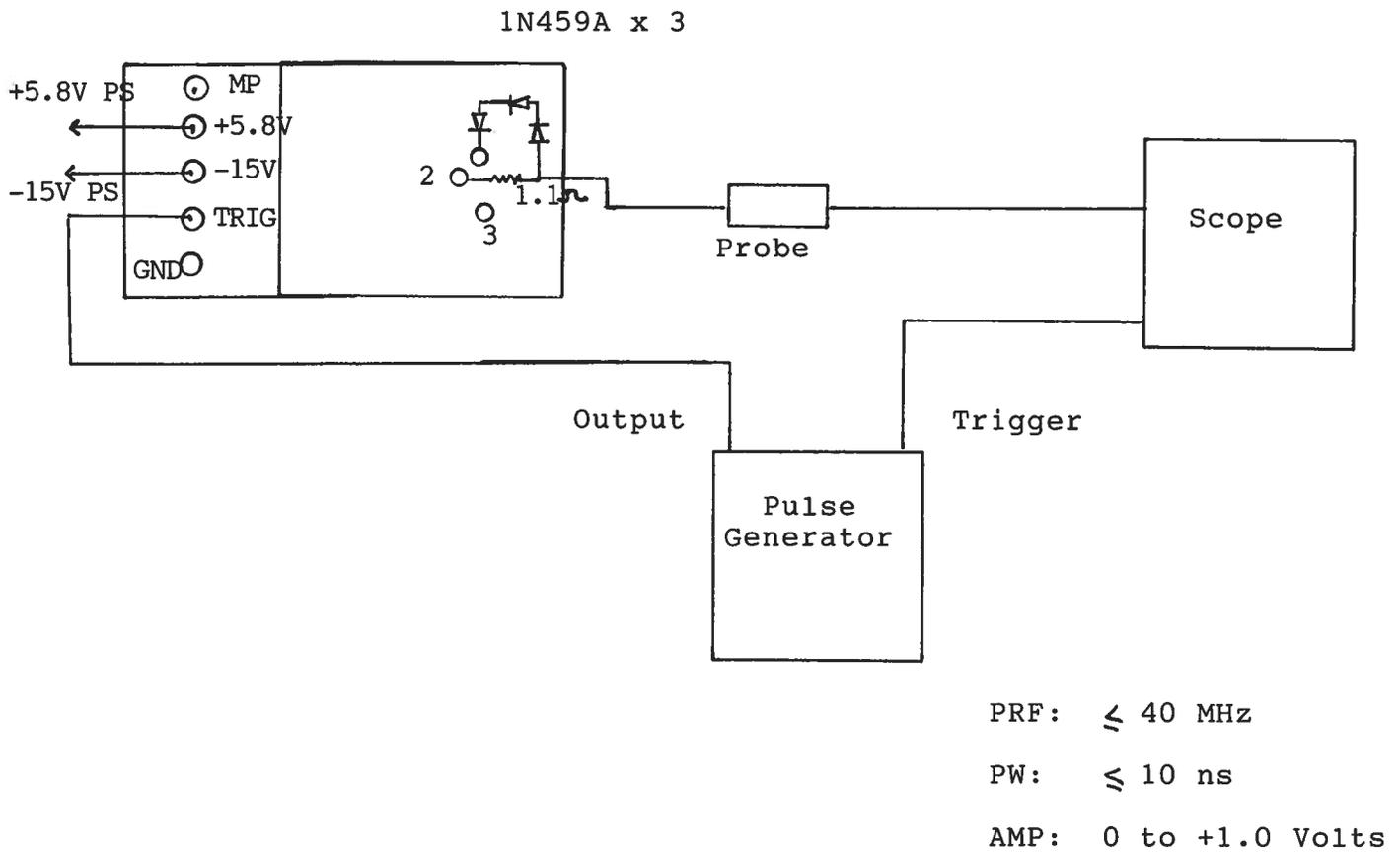
MODEL AV-155-HYMA PULSE GENERATOR

S.N. :

WARRANTY

Avtech Electrosystems Ltd. warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If, within one year after delivery to the original owner, and after prepaid return by the original owner, this Avtech product is found to be defective, Avtech shall at its option repair or replace said defective item. This warranty does not apply to units which have been disassembled, modified or subjected to conditions exceeding the applicable specifications or ratings. This warranty is the extent of the obligation or liability assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

Fig. 1 MODEL AV-155-HYMA PULSE GENERATOR TEST ARRANGEMENT
(SIMULATED LOAD)



Notes:

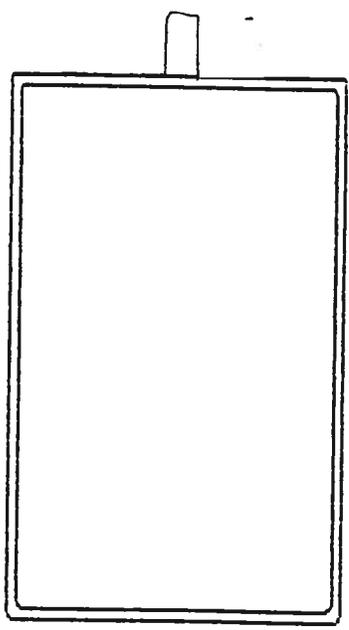
- 1) The bandwidth capability of components and instruments used to display the pulse generator output signal (probes, cables, connectors etc.) should exceed 100 MHz.
- 2) The input trigger signal controls the output amplitude, PRF, PW and duty cycle.
- 3) WARNING. Model AV-155 may fail if triggered at a PRF greater than 40 MHz or if an incorrect trigger signal is applied.
- 4) The unit requires a -15 Volt (200 mA) and a +5.8 Volt (40 mA) external power supply.
- 5) The unit was designed to provide 20% of maximum optical output for 0.3 Volts in and 100% of maximum optical output for 1.0 Volts in. from the SDL data sheet we deduce that 20% max output requires 55 mA and 100% output requires 170 mA. Minor adjustments to the 20% point (and to the 100% point) can be made using the 10 turn)S trim pot.
- 6) The laser diode load was simulated using three 1N459A diodes in series with a 1.1 Ohm resistor. The voltage across the resistor was used to determine the diode current. Note that this load has relatively high inductance and so represents a worse case test.
- 7) The photo diode output is available at the MD pin.
- 8) For additional assistance:

Tel: 1-800-265-6681
Fax: (613) 226-2802

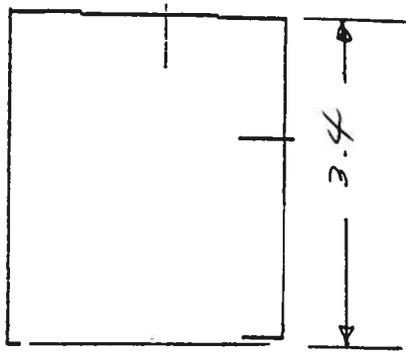
Avtech Model AV-155-14YMA

July 15 1994

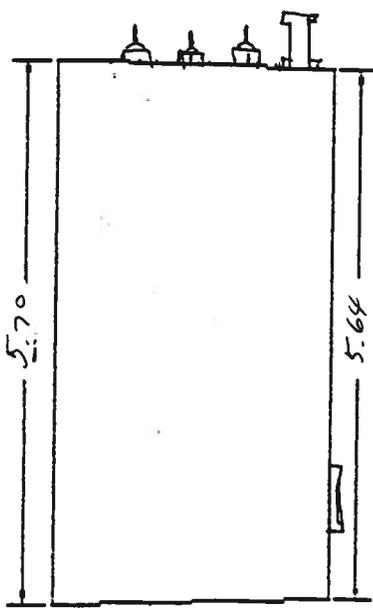
TOP VIEW



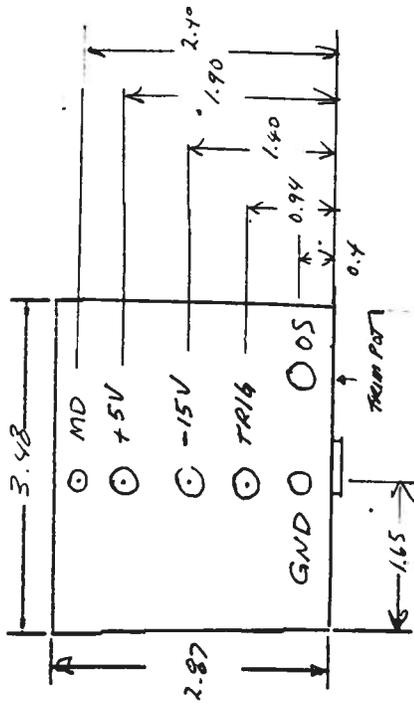
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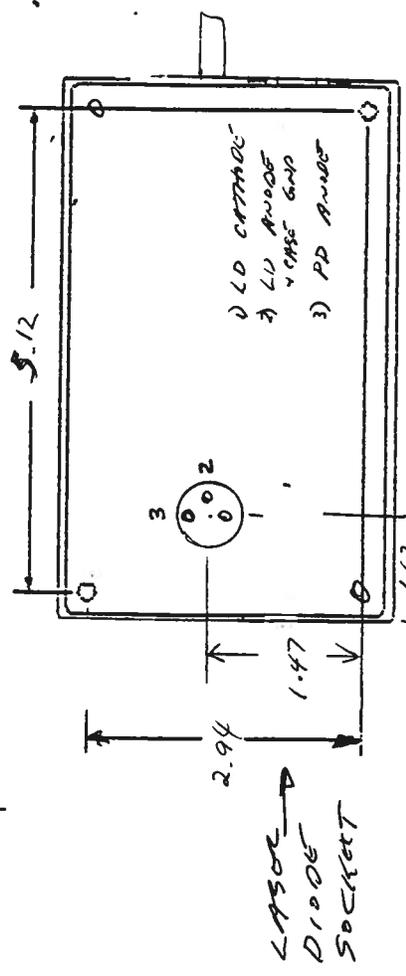
SIDE VIEW



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BOTTOM VIEW



Notes: 1. Dimensions are in cm.

2. Holes on bottom face are 2-56 tapped.

4. Chassis: Pomina

Aug 17/94