AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING – MANUFACTURING

P.O. BOX 265
OGDENSBURG
NEW YORK
13669
(315) 472-5270

BOX 5120, STN. "F"
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802
TELEX: 053-4591

INSTRUCTIONS

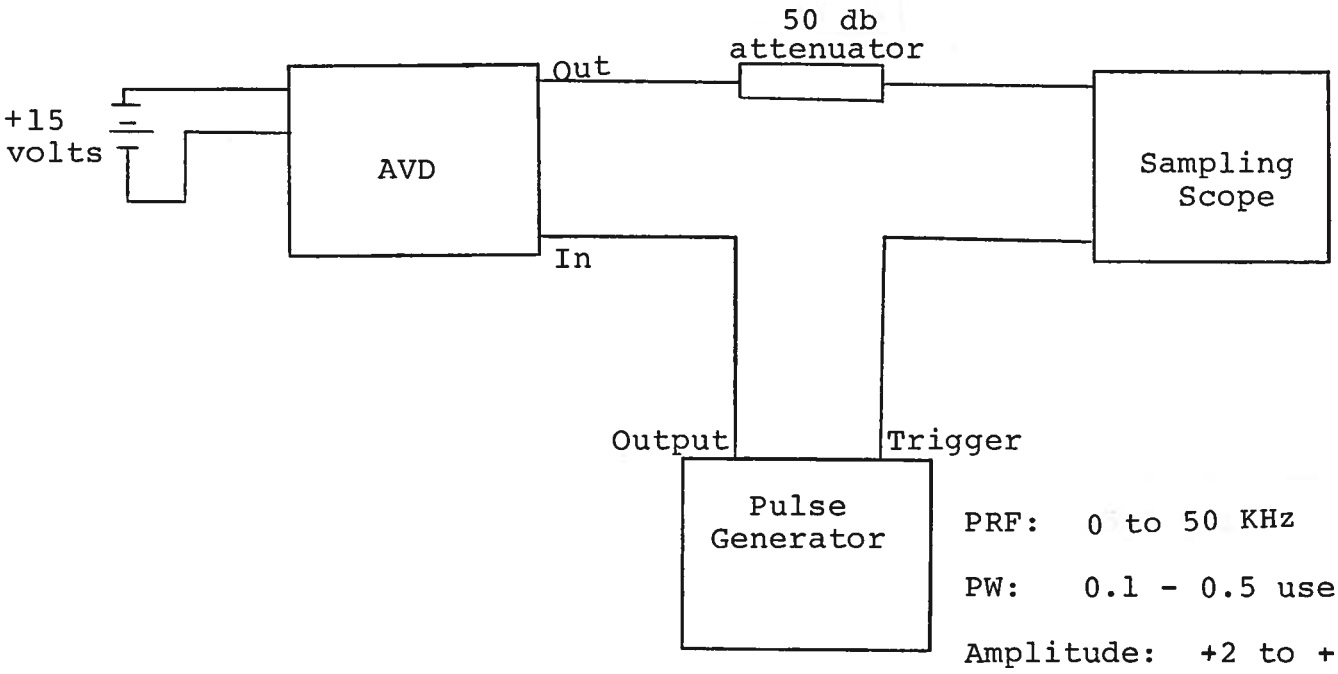
MODEL AVD-GSSA MONOCYCLE GENERATOR

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 dissembled, 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.

MONOCYCLE GENERATOR TEST ARRANGEMENT



Notes:

1) The bandwidth capability of components and instruments used to display the monocycle generator output signal (attenuators, cables, connectors, etc.) should exceed 10 GHz.

2) The use of a 50 db attenuator will insure a peak input signal to the sampling scope of less than one volt.

3) In general, the pulse generator delay control should be set in the 100 nsec range. Other settings should be as shown in the above diagram. The monocycle generator output is delayed with respect to the trigger input signal by about 30 nsec (typically).

4) The monocycle generator can withstand an infinite VSWR on the output port.

5) The output frequency is 900 MHz when 0 V is applied to the F solder terminal and 500 MHz when +5V is applied to the F solder terminal ($R_{IN} \geqslant 10K$).

6) The P and N pots are for minor adjustments to the widths of the positive and negative voltage swings. Clockwise rotation of the pots decreases the widths. The T pot is for minor adjustment to the separation of the positive and negative swings. Clockwise rotation of the pot decreases the separation.

01.25.90