AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING – MANUFACTURING

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INSTRUCTIONS

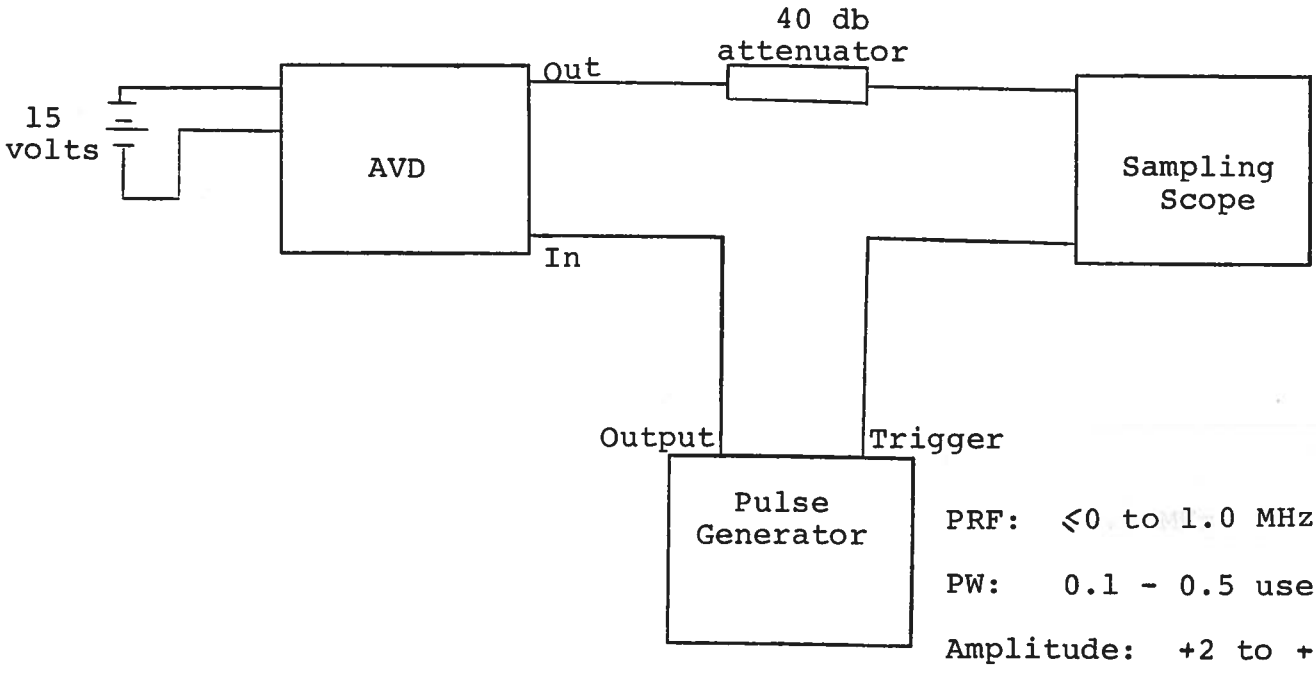
MODEL AVD-GSSB1 MONOCYCLE GENERATOR

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:

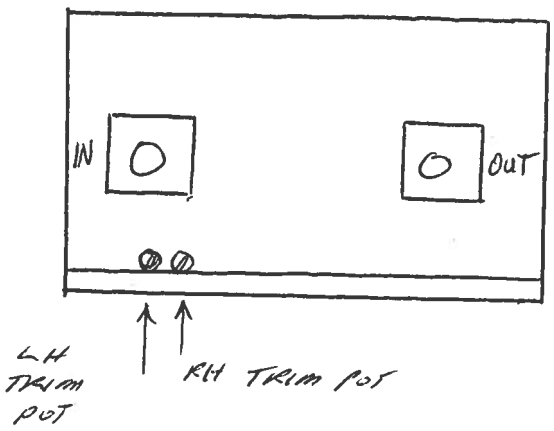
1) The bandwidth capability of components and instruments used to display the monocycle generator output signal (attenuators, cables, connectors, etc.) should exceed 10 GHz.

2) The use of a 40 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 75 nsec (typically).

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

5) The unit may be tuned from about 2500 MHz to about 3300 MHz using the two ten turn TRIM pots shown below. Clockwise rotation of the right-hand pot tends to increase the period (or decrease the frequency) while clockwise rotation of the left-hand pot tends to decrease the period.



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