INSTRUCTIONS

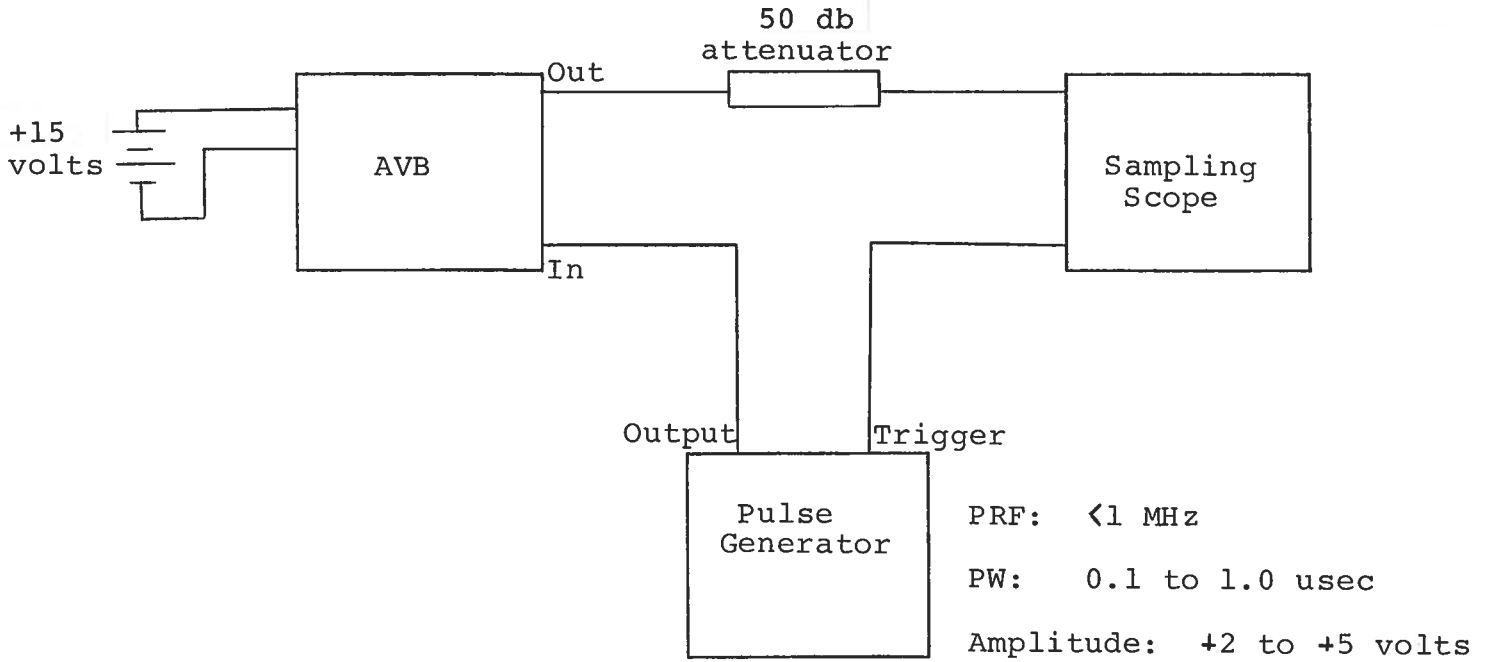# MODEL AVB MONOCYCLE GENERATOR

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

50 db
attenuator

+15
volts

AVB

Out

In

Output

Trigger

Sampling
Scope

Pulse
Generator

PRF: <1 MHz

PW: 0.1 to 1.0 usec

Amplitude: +2 to +5 volts

Notes:

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

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 trigger 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 40 nsec (typically).

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

5)   WARNING: Maximum trigger PRF protection circuits were
     omitted from S.N.   and for that reason the unit will
     fail if triggered at a PRF exceeding 1 MHz.

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