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ENGINEERING - MANUFACTURING

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INSTRUCTIONS

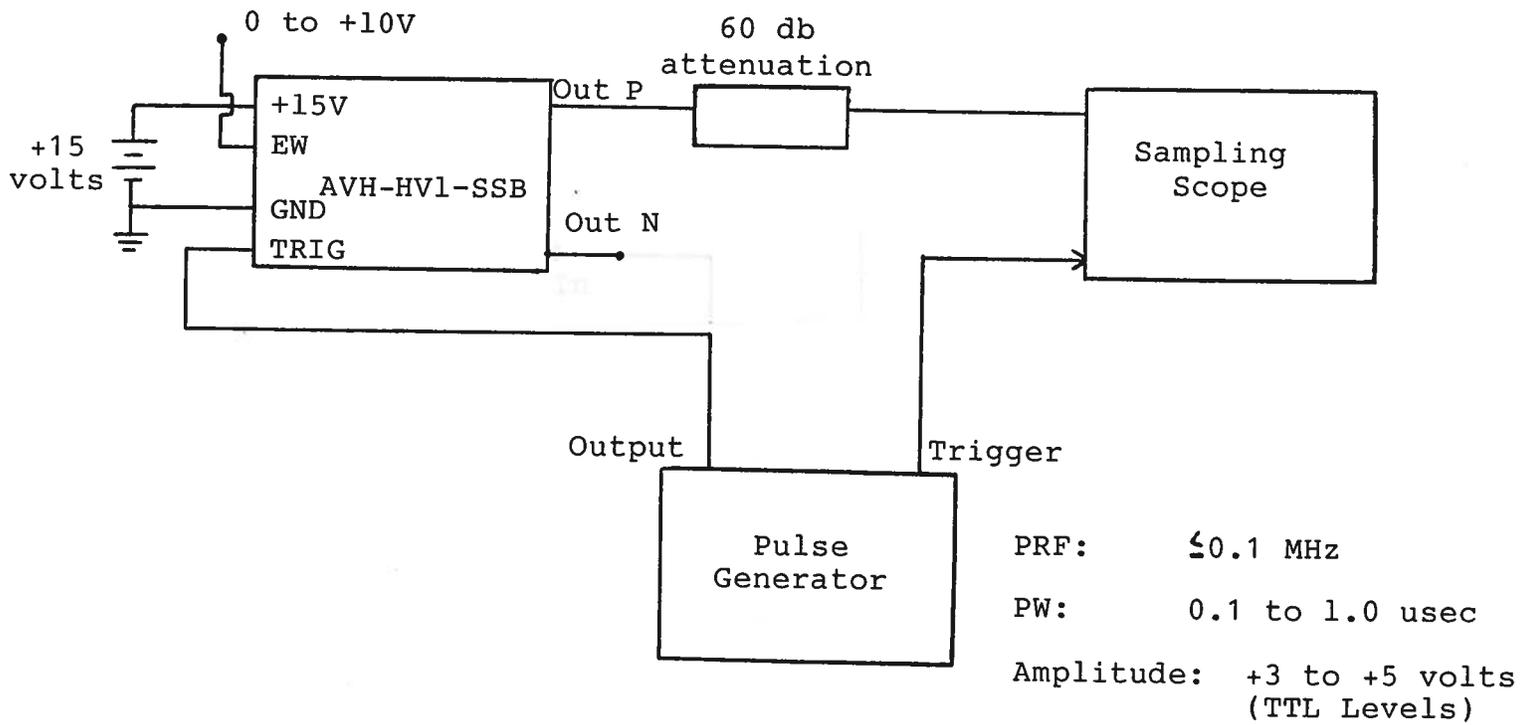
MODEL AVH-HV1-PN-SSB IMPULSE GENERATOR

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.

IMPULSE GENERATOR TEST ARRANGEMENT



Notes:

- 1) The bandwidth capability of components and instruments used to display the impulse generator output signal (attenuators, cables, connectors, etc.) should exceed ten gigahertz.
- 2) The use of 60 db attenuation 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 impulse generator output is delayed with respect to the trigger input signal by about 30 nsec (typically).
- 4) The delay of the N channel with respect to the F channel may be varied by about ± 100 ps by means of a 10 turn trim pot which is accessible via a hole in the N side of the chassis.
- 5) The output pulse width may be varied from about 600 ps to 2.0 ns by varying the potential at the EW terminal from 0 to +10 volts ($R_{IN} > 10K$).
- 6) The impulse generator can withstand an infinite VSWR on the output port.

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