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INSTRUCTIONS

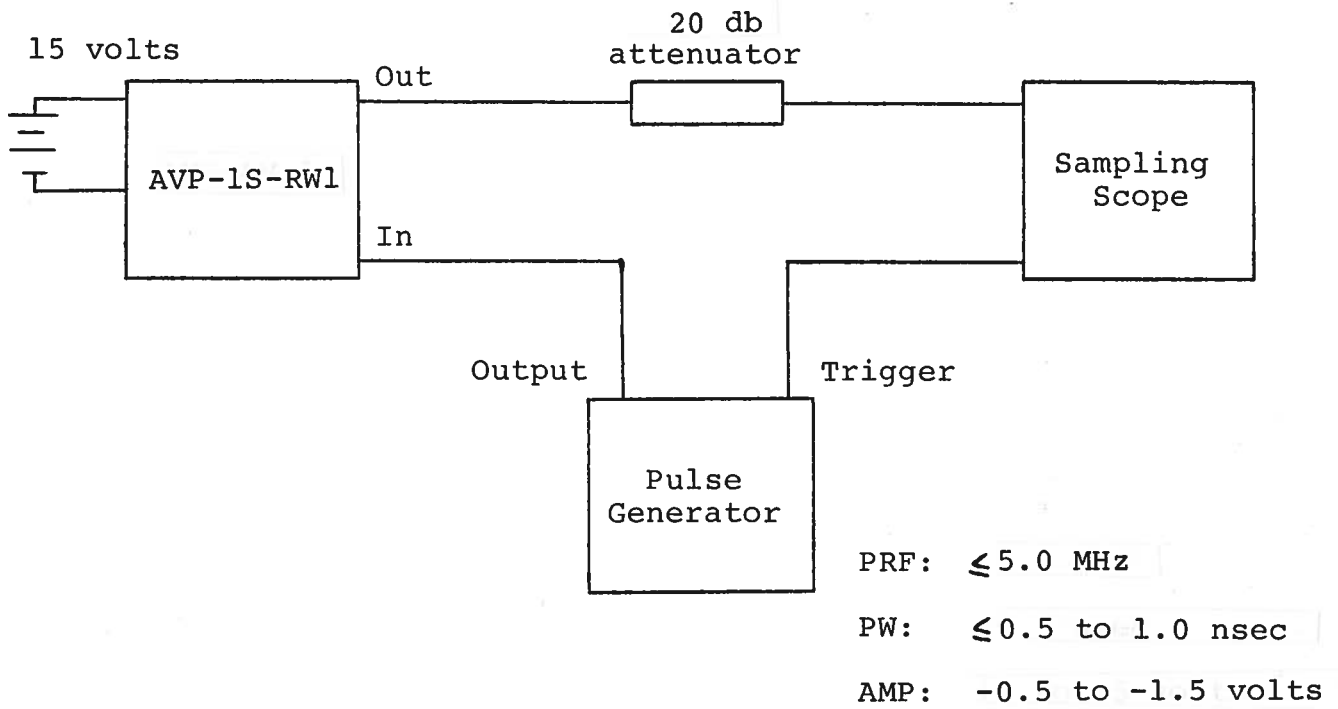
MODEL AVP-1S-RW1 PULSE GENERATOR

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.

MODEL AVP PULSE GENERATOR TEST ARRANGEMENT



Notes:

- 1) The bandwidth capability of components and instruments used to display the pulse generator output signal (attenuators, cables, connectors, etc.) should exceed ten gigahertz.
- 2) The use of 20 db attenuator will insure a peak input signal to the sampling scope of less than one volt.
- 3) In general, the source pulse generator trigger delay control should be set in the 0.1 to 1.0 usec range. Other settings should be as shown in the above diagram.
- 4) The Model AVP pulse generator can withstand an infinite VSWR on the output port.
- 5) WARNING: Model AVP may fail if triggered at a PRF greater than 5.0 MHz.
- 6) The output pulse width is controlled by the one turn T_R and T_F controls. Clockwise rotation of the T_R control causes the output pulse width to decrease while clockwise rotation of the T_F control causes the pulse width to increase.
- 7) Initially, the T_R control should be set max CCW and the T_F control should be set max CW. Then the two controls are adjusted to achieve the desired output pulse width (and rise and fall times).
- 8) The output amplitude is proportional to the input amplitude.

