



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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INSTRUCTIONS

MODEL AVMP-3-GEO1 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 assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

TECHNICAL SUPPORT

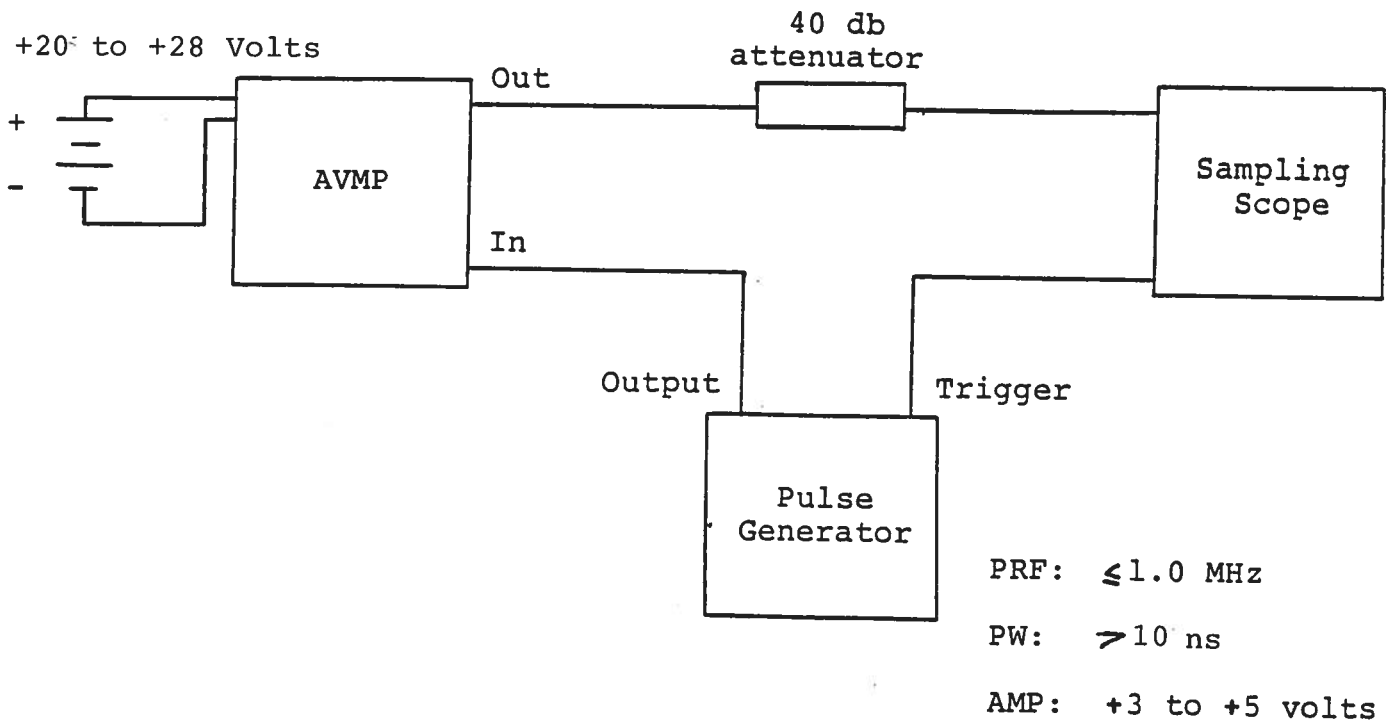
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MODEL AVMP PULSE GENERATOR TEST ARRANGEMENT



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 40 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 us range. Other settings should be as shown in the above diagram.
- 4) The Model AVMP pulse generator can withstand an infinite VSWR on the output port.
- 5) WARNING: Model AVMP may fail if triggered at a PRF greater than 1.0 MHz.
- 6) The output pulse width is fixed at 87 ns.
- 7) The output pulse amplitude is fixed at +20 Volts (to 50 Ohms).
- 8) To DC offset the output pulse at the AVMP output, connect a DC power supply set to the required DC offset value to the front panel OS terminals.
- 9) The DC prime power specification is 24 ±4 Volts, 350 mA.



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Fax Ref No: 1950 From: Avtech Electrosystems Ltd.

To: Geo-Centers Corp Our Fax No: (613) 226-2802

Date: September 29, 1997

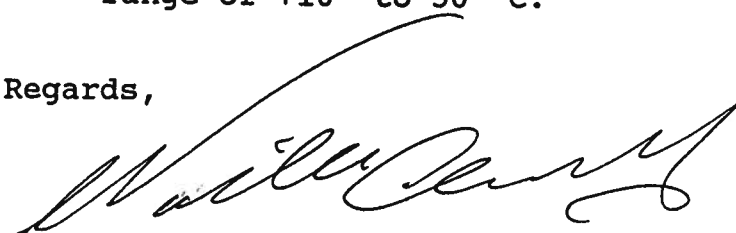
Attn: Gil Johnson Receivers Fax No: 617-527-7592

Tel: 617-964-7070

Subject: AVMP-3-P No. of pages: 1

- 1) The standard AVMP-3-P module requires +24 \pm 1.0 Volts, 350 mA prime power. However, we could add some "buffering" to a special unit which would require +24 \pm 4.0 Volts. To specify this special feature, add the suffix -GEO1 to the model number and \$498.00 US to the price.
- 2) The AVMP series is designed to operate over the temperature range of +10° to 50° C.

Regards,



Dr. Walter Chudobiak
Chief Engineer

WC:my

February 9/98

File: c:\wpinstr\AVMP\3GEO1.INS