

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING . MANUFACTURING

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✠ BOX 5120 STN. "F"
OTTAWA, ONTARIO
CANADA K2C 3H4
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TELEX 053.4591

INSTRUCTIONS

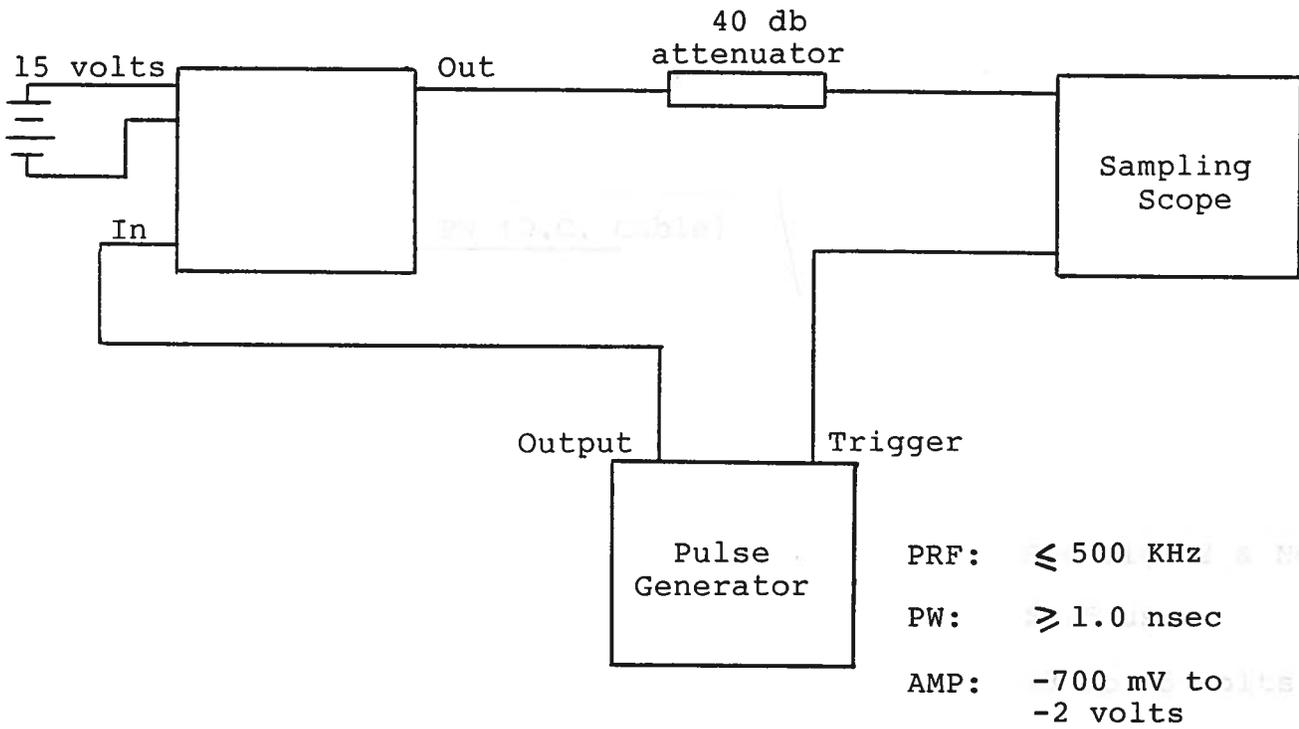
MODEL AVI-CC1 PULSE GENERATOR

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 AVI 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 several gigahertz.
- 2) The use of a 40 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 Avtech pulse generator output is delayed with respect to the trigger input signal by about 5 nsec. (typically).
- 4) The AVI unit is specifically designed to trigger from a -700 mV, 1 nsec impulse. Amplitudes as high as 2 volts or wider pulses may be used but if higher amplitudes are used then the PW should not be increased.

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January 15, 1987.

Rohna Garupthara
Dept. of Physics
City College of New York
138th St. & Convent Ave.
New York, NY 10031

Dear Mr. Garupthara:

Following our recent telephone conversation, I am pleased to offer a price and delivery quotation for a special purpose pulse generator meeting the following specifications:

| | |
|---------------------|---|
| Model designation: | AVI-CC1. |
| Output amplitude: | +10 volts to 50 ohms. |
| Output pulse width: | 2 nsec (at 10% rise point). |
| Rise time: | ≤ 0.5 nsec. |
| Fall time: | ≤ 1 nsec. |
| PRF: | 0 to 500 KHz. |
| Jitter: | $\leq \pm 10$ psec. |
| Input trig: | -700 mV, 1 nsec PW. |
| Prime power: | +15 volts, 300 mA. |
| Connectors: | SMA. |
| Other: | See Model AVI, pages 24 & 25, Cat. No. 6. |

Price: \$499.00 US,
FOB Ottawa, Canada or
\$629.00 US,
FOB Destination.

Delivery: 90 days ARO.

Terms: Net 30 days.

Thank you for your interest in our products. Please give me a call if you require any additional information or modifications to the above specifications.

Yours truly,

W.J. Chudobiak
Chief Engineer

WJC:pr

04.15.87