



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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INSTRUCTIONS

MODEL AV-149-BW3-1K-PIN-SP1-B-STUA1 TRANSIMPEDANCE AMPLIFIER

S.N.: 8266

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

Phone: 613-226-5772 or 1-800-265-6681

Fax: 613-226-2802 or 1-800-561-1970

E-mail: info@avtechpulse.com

World Wide Web: <http://www.avtechpulse.com>

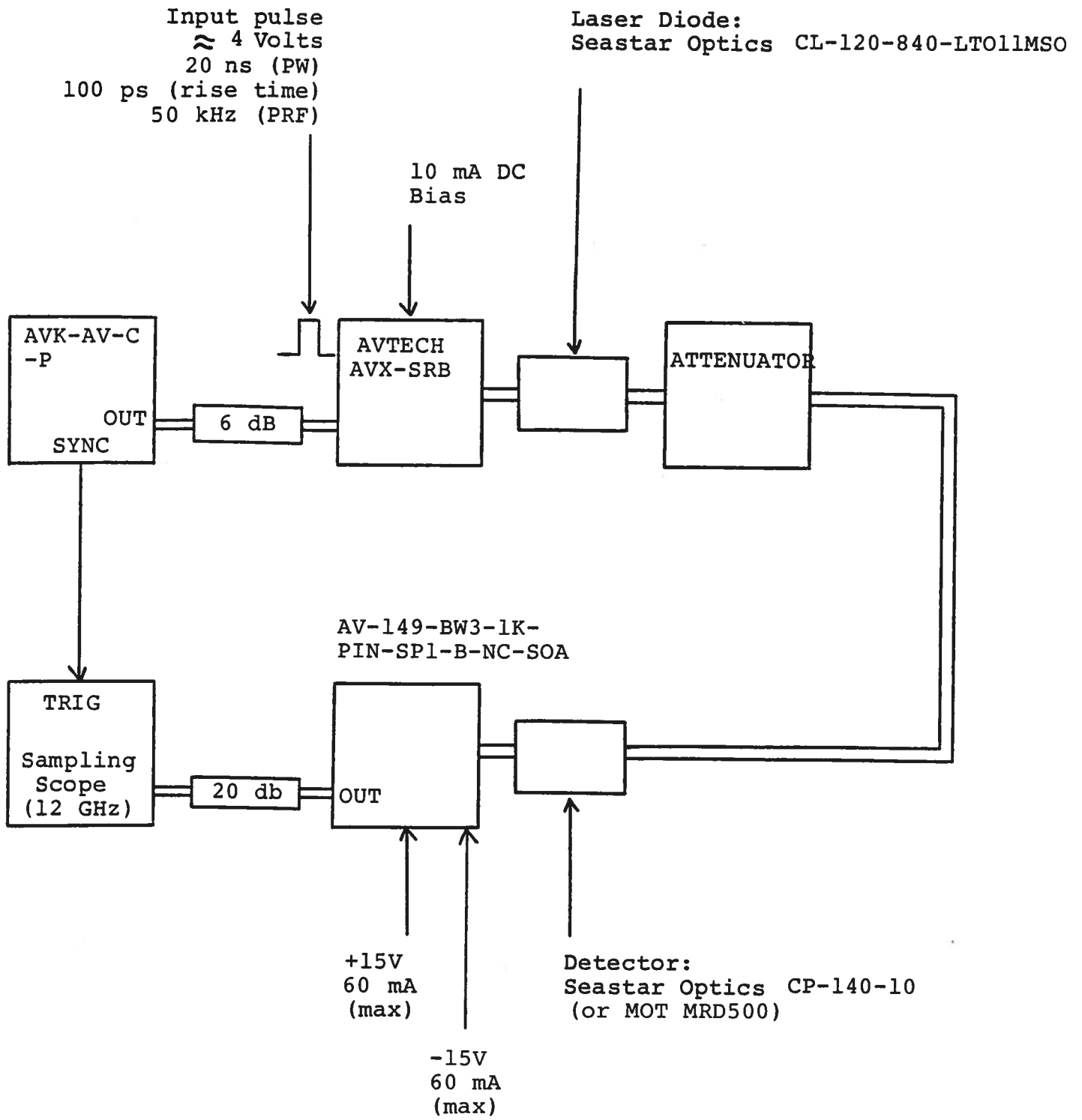


Fig. 1

BASIC TEST SET-UP (PULSE MODE)

GENERAL OPERATING INSTRUCTIONS

- 1) The basic operation of the amplifier was confirmed using the pulse mode test arrangement shown in Fig. 1.
- 2) The AV-149 amplifier requires a prime power of ± 15 VDC (60 mA max).
- 3) To test the AV-149 in a sweep frequency mode (DC to 600 MHz) the AVK-AV-C and the sampling scope should be replaced by a network analyzer.
- 4) **CAUTION:** The amplifier will be damaged if the anode and cathode connections are reversed.
- 5) The leads of the photo diode should not be inserted more than 1.0 cm into the socket.
- 6) The ± 15 VDC supply should be turned off when installing or removing the photo diode.
- 7) The -ST connector attaches to the small aluminum L-bracket using two 2-56 screws. This amplifier is specifically designed to be used with the Fujitsu F1D08T13TX Pin Diode.
- 8) For additional information:

Tel: (613) 226-5772
Fax: (613) 226-2802

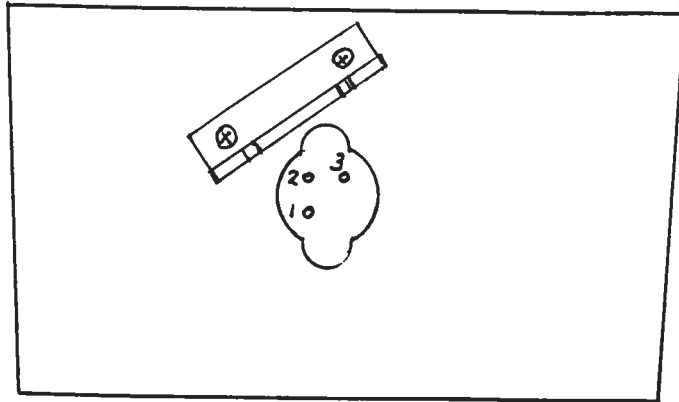


Fig. 2 DIODE SOCKET PIN CONNECTIONS

- 1) ANODE
- 2) CASE
- 3) CATHODE



8246
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Fax Ref No: 1892 From: Avtech Electrosystems Ltd.

To: University of Arizona Our Fax No: (613) 226-2802

Date: September 11, 1997

Attn: Mike Morrell Receivers Fax No: 520-621-4442
Tel: 520-621-2277

Subject: Your P.O. # P170622 No. of pages: 1

The Purchase Order should be changed to the following:

One Model AV-149-BW3-500-SP1-B-STUA1 \$890.00 US,
Includes 5% academic discount

-STUA1 option provides a mechanical bracket which will accept end-users PD1 diode with an amphenol ST connector. A sample amphenol ST flange is to be mailed to Avtech to insure the proper fit.

Mail the sample to:
Avtech Electrosystems Ltd.
P.O. Box 265
Ogdensburg, NY 13669-02665

Please have a change order issued to show the above model number and the current price.

Delivery: 45 days ARO.

Regards,

Dr. Walter Chudobiak
Chief Engineer

WC:my

November 12 1911

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