



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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INSTRUCTIONS

MODEL AV-149-BW1-APD-WL2 TRANSIMPEDANCE AMPLIFIER

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

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

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

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Manual Reference: Q:\office\instructword\Av-149\AV-149-BW1-APD-WL2.doc,
created July 14, 1999

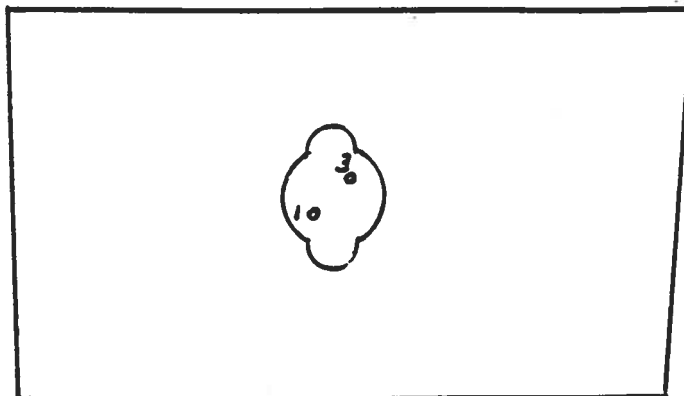
GENERAL OPERATING INSTRUCTIONS

- 1) The AV-149 amplifier requires a prime power of +15 VDC (50 mA max).
- 2) The bias voltage for the APD may be varied from about +20 Volts to +228 using the 10 turn "BIAS ADJ" screw. Note clockwise rotation of the screw reduces the bias voltage while counterclockwise rotation increases the bias voltage. At the time of shipping this voltage was set to +50 Volts (as measured at the red "BIAS" banana terminal adjacent to the "BIAS ADJ" screw).
- 3) CAUTION: The amplifier will be damaged if the anode and cathode connections are reversed.
- 4) CAUTION: The leads of the photo diode should not be inserted more than 0.75 cm into the socket.
- 5) The +15 VDC supply should be turned off when installing or removing the photo diode.
- 6) For additional information:

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FIG. 2 DIODE SOCKET PIN CONNECTIONS



1) ANODE

3) CATHODE

9224



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Fax No:	<u>4352</u>	Sender's Fax:	<u>613-226-2802</u>
File:	<u>Q:\office\QUOTES\Q9224.doc</u>	Receiver's Fax:	<u>937-255-2306</u>
To:	<u>Wyle Laboratories</u>	Receiver's Phone:	<u>937-255-1874, ext 3495</u>
		Date:	<u>March 11, 1999</u>
Attn:	<u>David Wilson</u>	Number of pages:	<u>2</u>
Subject:	<u>Quotation</u>		

Following recent phone discussions with Bill Siskaninetz, I am pleased to offer the following price and deliver quotation:

Quote Number: 9224

Model designation: AV-149-BW1-APD-SP1-WL2

The - WL2 suffix denotes:

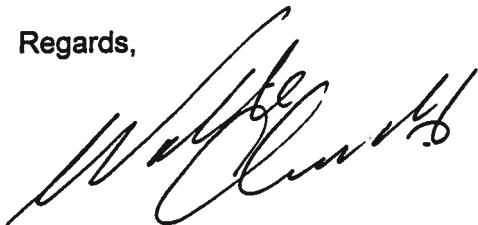
- a) A two pin SP1 configuration with 5 mm separation between the pins.
- b) A 50 Ohm input impedance (rather than a low resistance).
- c) A Rise time of 20 to 30 ns.
- d) A input photo current as high as 100 mA
- e) An ability to drive an output load of 50 Ohms with up to . 0.5 Volts

Price: \$1698.00 U.S. FOB destination

Delivery: 60 days after receipt of order

Thank you for your interest in our products and if I can be of further assistance, please do not hesitate to contact me (1-800-265-6681)

Regards,

A handwritten signature in black ink, appearing to read 'Walter Chudobiak', written in a cursive style.

Dr. Walter Chudobiak
Chief Engineer

WC:cb