



AVTECH ELECTROSYSTEMS LTD.
NANOSECOND WAVEFORM ELECTRONICS

□ P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265
TEL: (315) 472-5270
FAX: (613) 226-2802

☒ BOX 5120 STN. F
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802

INSTRUCTIONS

MODEL AV-ATL25

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.

- 1) Apply the following three DC supply voltages to the unit:

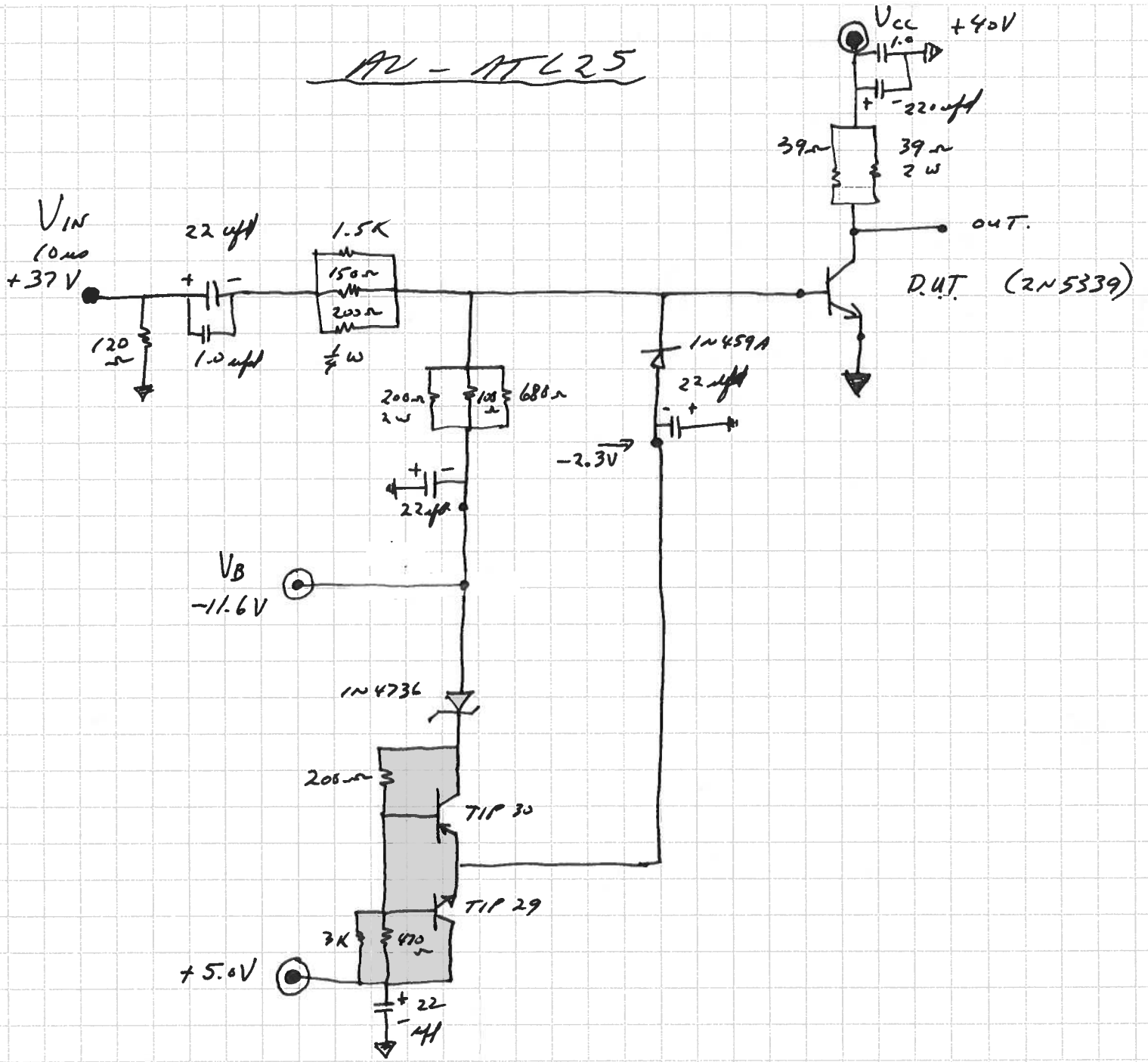
V_{CC} : +40 Volts (200 mA max)
 V_B : -11.6 Volts (150 mA max)
 V_S : +5.0 Volts (150 mA max)

Note that a self-contained level shifting circuit generates the -2.3 Volt level specified in MIL-S-19500/560(ER).

- 2) Apply a +37 Volt, 10 us wide pulse to the V_{IN} SMA connector. Note that the pulse repetition frequency must not exceed 2 kHz (as this may result in overheating and damage to the test jig).
- 3) The input waveform and the output waveform may be observed by connecting a high impedance scope probe to the two clip on terminals on the top of the jig.
- 4) The basic schematic of the test jig is shown on the attached.
- 5) For additional assistance:

Tel: 1-800-265-6681
Fax: (613) 226-2802

AV - ATC25





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March 12, 1993.

Ed Barlow
Associated Testing Labs Inc.
53 Second Avenue
Burlington, MA 01803

Dear Ed:

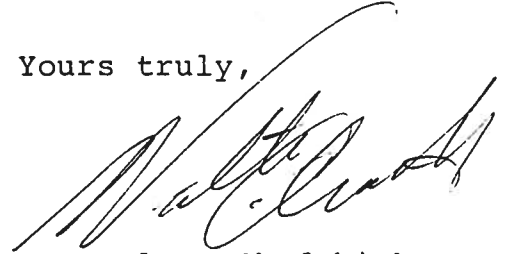
Following your FAX of March 11, I am pleased to provide a price and delivery quotation for a test jig meeting the following specifications:

Model designation:	AV-ATL25.
Function:	Microstrip test board for performing t_{ON} and t_{OFF} tests on 2N5339 (as per Fig. 3 & 4 in your FAX) using a high impedance fast scope and external lab power supplies.
Package size:	1.7" x 2.6" x 4.3". AVTECH package style A with microstrip test board mounted on 2.6" x 4.3" surface.
Connectors:	Pulse input: SMA. Pulse output: Clip on terminal for scope probe. DC: Female banana.
DUT mounting:	3 PIN socket is provided.
Price:	\$495.00 US each, FOB destination.
Delivery:	30 days ARO.

The AVR-D2-C-ATL2 will not provide the necessary pulse amplitude for this test so we recommend that either the AVTECH AV-1010-C (see enclosed data sheet) or the HP 214 be used for the test.

Thank you for your continuing interest in our products.

Yours truly,

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

Dr. Walter Chudobiak
Chief Engineer

WC:pr
Encl.

04.08.93