



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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

TEL: 1-800-265-6681
FAX: 1-800-561-1970
U.S.A. & CANADA

e-mail: info@avtechpulse.com

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

INSTRUCTIONS

MODEL AV-141C-PS-HQ1 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 or liability assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

MODEL AV-141C-PS-HQ1

GENERAL INSTRUCTIONS

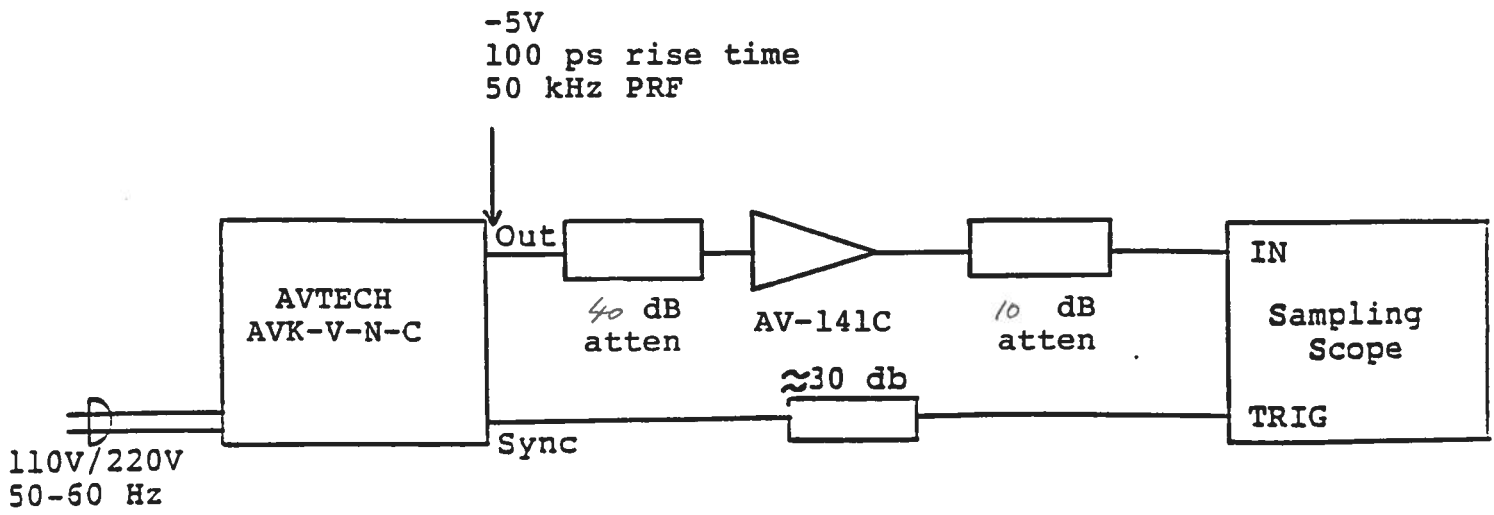
The Model AV-141C-PS-HQ1 amplifier is designed to amplify bipolar nanosecond rise time baseband pulses in the pulse width range of about 2.0 ns and higher and CW signals in the frequency range of DC to 600 MHz. The basic specifications for the unit are as follows:

Gain:	> 20 dB
Peak output voltage:	±3 Volt
Rise time:	≤ 1.0 ns
Impedance level:	50 Ohms nominal
Bandwidth:	DC to 600 MHz
Max. noise figure:	4 nV/√Hz
Prime power:	120/240 Volt, 50-60 Hz (0.25 A SB fuse)
Connectors:	SMA
Size:	4" x 8" x 12"

- 1) The pulse mode operation of the unit was tested using the arrangement shown in Fig. 1.

Fig. 1

AMPLIFIER TEST ARRANGEMENT





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Fax Ref No: 631 From: Avtech Electrosystems Ltd.
To: Hydro-Quebec Our Fax No: (613) 226-2802
Date: July 2, 1996
Attn: Yvon McNicoll Receivers Fax No: 514-652-8435
Tel: 514-652-8277
Subject: Quotation No. of pages: 1

We are pleased to quote as follows:

Model designation: AV-141C-PS-HQ1.

Basic description: Provides same performance as standard Model AV-141C-PS but comprises a total of twelve identical line powered modules.

Price: \$10,789.00 US, FOB destination.
(GST 7% extra).

Delivery: 60 days ARO.

Thank you for your continuing interest in our products. Please call me (1-800-265-6681) if you require any additional information.

Rgds

Dr. Walter Chudobiak
Chief Engineer

WC:pr

Nov. 22/96

Disk: AV-

Name: 141CPSHQ.INS