AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS ENGINEERING - MANUFACTURING

P.O. BOX 265 OGDENSBURG NEW YORK 13669 (315) 472-5270 BOX 5120, STN. "F"
OTTAWA. ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802

INSTRUCTIONS

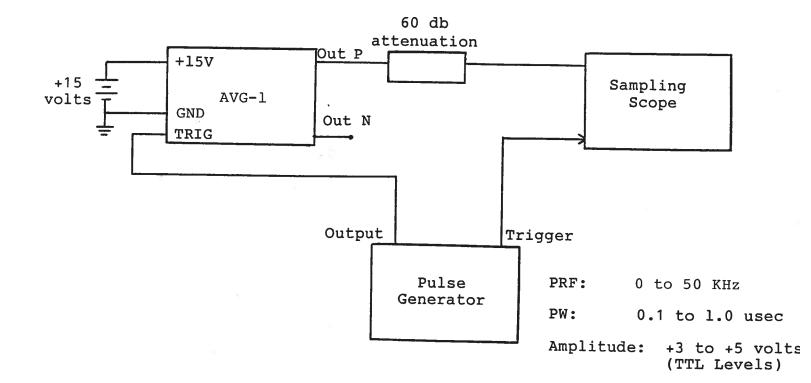
MODEL AVG-1-PN-SSA IMPULSE GENERATOR

S.N.:

WARRANTY

Electrosystems Ltd. warrants Avtech products of manufacture to be free from defects in material 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 dissembled, 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.

IMPULSE GENERATOR TEST ARRANGEMENT



Notes:

- The bandwidth capability of components and instruments used to display the impulse generator output signal (attenuators, cables, connectors, etc.) should exceed ten gigahertz.
- 2) The use of 60 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 impulse generator output is delayed with respect to the trigger input signal by about 30 nsec (typically).
- 4) The delay of the N channel with respect to the P channel may be varied by about ±3 ns by means of a 10 turn trim pot which is accessible via a hole in the N side of the chassis. CCW rotation of the pot increases the N delay.
- 5) The impulse generator can withstand an infinite VSWR on the output port.

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Output connectors:

Package size:

BOX 5120 STN. "F" OTTAWA, ONTARIO CANADA K2C 3H4 (613) 226-5772

Fax No:	3871		Our Fax No:	613-226-2802
To:	Sensors and Software		Your Ref No:	
			Our Ref:	
Attn:	David Leggatt		Date:	April 23, 1991
From:	Tel: 416-624-8909 Avtech Electrosystems Lt	ad.	Receivers Fax No:	416-624-9365
Subject:	Impulse Generator Quote	•	No. pages faxed:	3
	eference to our recent co Llowing price and deliver			leased to provide
Model designation:		AVG-1-PN-SSA.		
Output amplitude:		+250 and -250 volts (fixed and simultaneous).		
Output pulse width:		Fixed at 5 ns.		
Rise time, fall time:		< 2 ns.		
PRF:		0 to 50 KHz.		
Propagation delay:				
Jitter:		<u>+</u> 50 ps.		
Trigger required:		+5 volts, 50 to 500 ns (TTL).		
Prime power:		+15 volts DC, 300 mA.		
Input connectors:		Solder terminals.		

SMA.

1.5" x 3" x 7".

Package material:

Aluminum.

Price:

\$1,795.00 US each, FOB Destination.

PST, GST:

Extra if applicable.

Delivery:

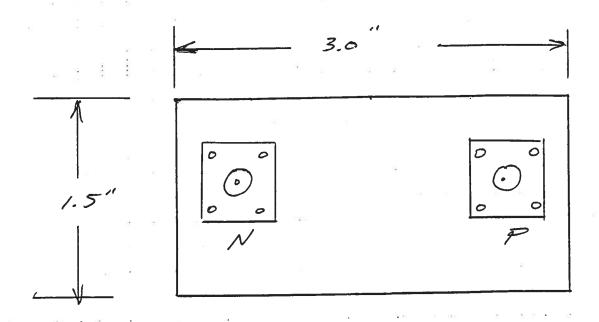
30 days ARO.

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

Rgds

Walter J. Chudobiak Chief Engineer

WJC:pr



MODEL AUG-1-PN-55A (AND VIEW)

520 0 151 x