

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING - MANUFACTURING

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INSTRUCTIONS

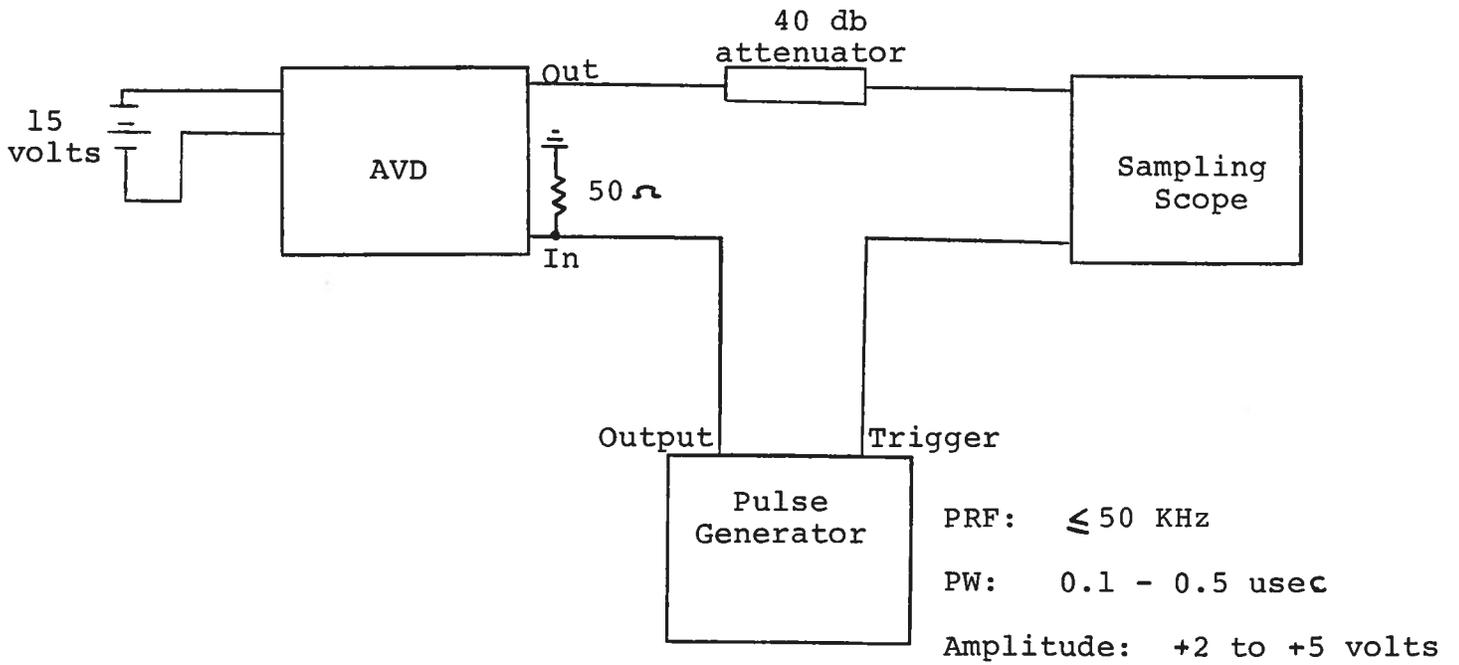
MODEL AVD-G55B MONOCYCLE GENERATOR

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.

MONOCYCLE GENERATOR TEST ARRANGEMENT



Notes:

- 1) The bandwidth capability of components and instruments used to display the monocycle generator output signal (attenuators, cables, connectors, etc.) should exceed 10 GHz.
- 2) The use of a 40 db attenuator will insure a peak input signal to the sampling scope of less than one volt.
- 3) In general, the pulse generator delay control should be set in the 100 nsec range. Other settings should be as shown in the above diagram. The monocycle generator output is delayed with respect to the trigger input signal by about 75 nsec (typically).
- 4) The monocycle generator can withstand an infinite VSWR on the output port.
- 5) The input port should be shunted by a 50 ohm resistor.

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Fax No: <u>2652</u>	Our Fax No: <u>613-226-2802</u>
To: <u>Geophysical Survey Systems</u>	Your Ref No: _____
_____	Our Ref: _____
Attn: <u>Allan Schutz ↓</u>	Date: <u>April 10, 1990</u>
Tel: <u>603-889-4841</u>	
From: <u>Avtech Electrosystems Ltd.</u>	Receivers Fax No: <u>603-889-3984</u>
Subject: <u>2500 MHz Monocycle Generator</u>	No. pages faxed: <u>2</u>

As per our recent telephone conversation I am pleased to provide a price and delivery quotation for a special purpose monocycle generator meeting the following specifications:

Model designation:	AVD-GSSB.
Output frequency:	2500 MHz (fixed).
Output amplitude: (to 50 ohms)	≥ 20 volts peak to peak.
PRF:	0 to 50 KHz. Equals input trigger PRF.
Trigger:	TTL, PW ≥ 50 nsec.
Propagation delay:	≈ 30 nsec.
Output spurious level:	≤ 23 db.
Prime power:	+15 volts, 250 mA.
Package size:	1.7" x 2.6" x 4.3", cast aluminum, blue enamel.

Connectors:

Input, output: SMA.
Power: Solder terminals.

Other:

See Model AVD, pages 68 & 69,
Cat. No. 7.

Price:

\$1,492.00 US,
FOB Destination.

Delivery:

60-90 days ARO.

Thank you for your interest in our products. Please call me again if you require any additional information.

Rgds



Walter J. Chudobiak
Chief Engineer

WJC:pr

03.25.91