



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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INSTRUCTIONS

MODEL AVH-MPT-EGG1E IMPULSE 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 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

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E-mail: info@avtechpulse.com

World Wide Web: <http://www.avtechpulse.com>

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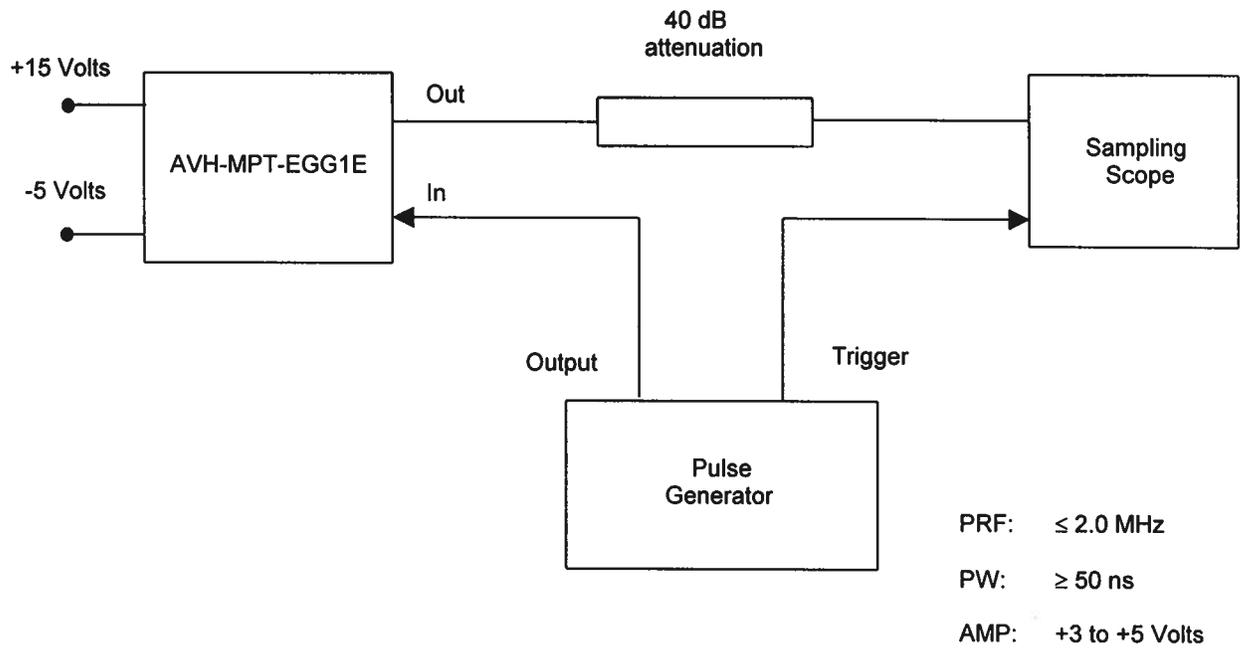
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Manual Reference: Q:\office\instructword\Avh\AVH-MPT-EGG1E-fig.doc, created April 18, 2000

FIG. 1: IMPULSE GENERATOR TEST ARRANGEMENT

GENERAL OPERATING INSTRUCTIONS

- 1) 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 40 db attenuation will insure a peak input signal to the sampling scope of less than one volt.
- 3) This unit normally provides a 100 ps rise time but this may be increased to 250 ps by reducing the -5 Volt bias supply to 0 Volts.
- 4) In general, the pulse generator trigger delay control should be set in the 100 ns range. Other settings should be as shown in the above diagram.
- 5) The impulse generator can withstand an infinite VSWR on the output port.
- 6) For additional assistance:

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Quote No:	<u>9819</u>	Sender's Fax:	<u>613-226-2802</u>
File:	<u>R:\QUOTES\Q9819.doc</u>	Receiver's Fax:	<u>505-998-0671</u>
To:	<u>EG&G</u>	Receiver's Phone:	<u>505-998-0677</u>
	<u>Albuquerque, NM</u>	Date:	<u>April 7, 2000</u>
Attn:	<u>John Eberly</u>	Number of pages:	<u>3, including cover</u>
Subject:	<u>Price and delivery quotation</u>		

Following our recent telephone conversations, I am pleased to provide the following revised quotation:

Quote Number:	9819
Model designation:	AVH-MPT-EGG1E
Output Amplitude: (to 50 Ohms)	+10 Volts (Fixed)
Rise Time:	100 ps (see enclosed prototype waveform)
Fall Time:	3 ns
Pulse Width (FWHM):	≈ 1.5 ns (Fixed)
PRF:	0 to 2 MHz
Backmatched:	Yes
Size:	1.1" x 1.3" x 2.3"
Prime Power:	a) +15 VDC, (± 1 Volt), 210 mA at 2 MHz b) -5 VDC, 10 mA
Temperature Range:	-10°C to +50°C
Propagation Delay Variation:	Reduced by a factor of 4 relative to Model AVH-MPT-EGG1A
Connectors:	SMA
Other:	See Model AVH-MPT, page 80

Price:

Quantity of 1: \$1,998.00 US each

Quantity of 3: \$1,498.00 US each

Quantity of 5: \$1,250.00 US each

Quantity of 10: \$1,098.00 US each

All prices FOB destination

Delivery:

30 to 120 days, after receipt of order.

Thank you for your continuing interest in our products. Please call or email me if you require any further information.

Regards,



Dr. Walter Chudobiak
Chief Engineer

WC:mf

Apr 18/2000