INSTRUCTIONS

MODEL AVH-MPT-EGG1D 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 dissembled, 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

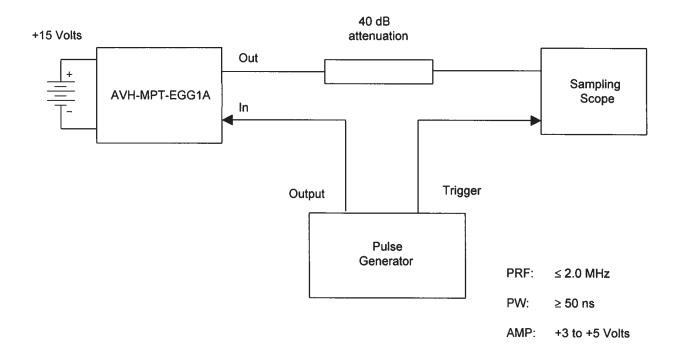Phone: 613-226-5772 or 1-800-265-6681
Fax: 613-226-2802 or 1-800-561-1970

E-mail: info@avtechpulse.com
World Wide Web: http://www.avtechpulse.com

TABLE OF CONTENTS

Manual Reference: Q:\office\instructword\Avh\AVH-MPT-EGG1D-fig.doc, created February 7, 2000

FIG. 1: IMPULSE GENERATOR TEST ARRANGEMENT

PRF: ≤ 2.0 MHz

PW: ≥ 50 ns

AMP: +3 to +5 Volts

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) 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.

4) The impulse generator can withstand an infinite VSWR on the output port.

5) For additional assistance:

Call: 613-226-5772
Fax: 613-226-2802
Email: info@avtechpulse.com

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 e-mail: info@avtechpulse.com http://www.avtechpulse.com	☒ P.O. BOX 5120 STN. F OTTAWA, ONTARIO CANADA K2C 3H4 TEL: (613) 226-5772 FAX: (613) 226-2802

Fax No:	4538	Sender's Fax:	613-226-2802
File:	Q:\office\QUOTES\Q9584.doc	Receiver's Fax:	505-998-0671
To:	EG&G	Receiver's Phone:	505-998-0677
	Albuquerque, NM	Date:	October 21, 1999
Attn:	John Eberly	Number of pages:	2, including fax cover
Subject:	Price and Delivery Quotation		

Following your telephone request of October 21, 1999, I am pleased to provide the following revised quotation:

Quote Number:	9584
Model designation:	AVH-MPT-EGG1D (as EGG1C but with with pulse width increased)
Output Amplitude: (to 50 Ohms)	+ 20 Volts (Fixed)
Pulse Width: (FWHM)	600 ps (Fixed)
Rise Time:	150 ps
Fall Time:	275 ps
PRF:	0 to 2 MHz
Backmatched:	Yes
Size:	1.1" x 1.3" x 2.3"
Prime Power:	+ 15 VDC, (± 1 Volt), 150 mA at 2 MHz. Improving the temperature range and reducing the propagation variation increases the current consumption.
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: $1,625.00 US each Quantity of 3: $1,298.00 US each Quantity of 5: $1,098.00 US each Quantity of 10: $ 974.00 US each All prices FOB destination
Delivery:	30 to 120 days ARO.

Thank you for your P.O. A36650. Will you be issuing a revision?

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

Regards,

Dr. Walter Chudobiak
Chief Engineer

WC:mf