

PULSE GENERATOR
PERFORMANCE CHECK

Model: *MO-5A-BP*
S.N.: *9726*
Date: *APRIL 4 2001*

- a) Output signal amplitude:
0 TO +30 V TO 0.75 μ
- b) Pulse width:
*(0 TO +40 AMPS)
20 TO 200 NS*
- c) Rise time:
< 10 NS
- d) Fall time:
< 10 NS
- e) PRF: *0 TO 5 KHZ.*
- f) Jitter, stability:
OK
- g) Prime power:
*120/240V
50-60HZ.*



(A)

9726

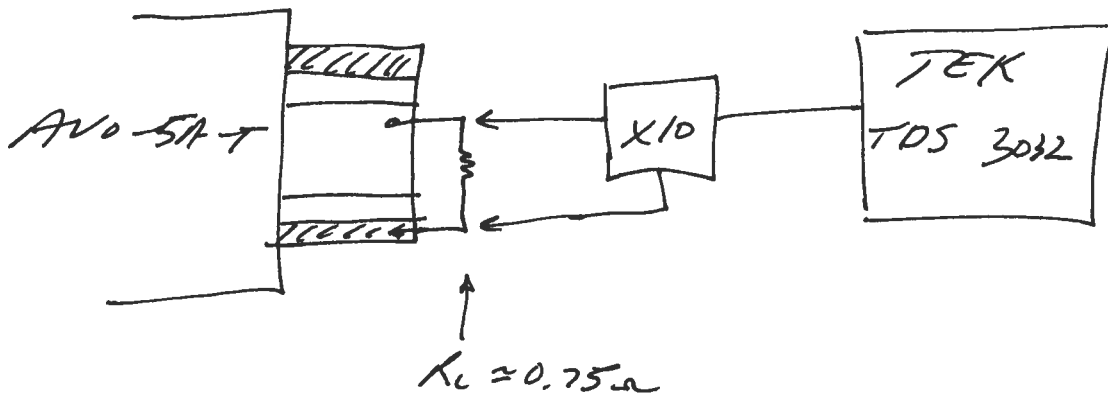
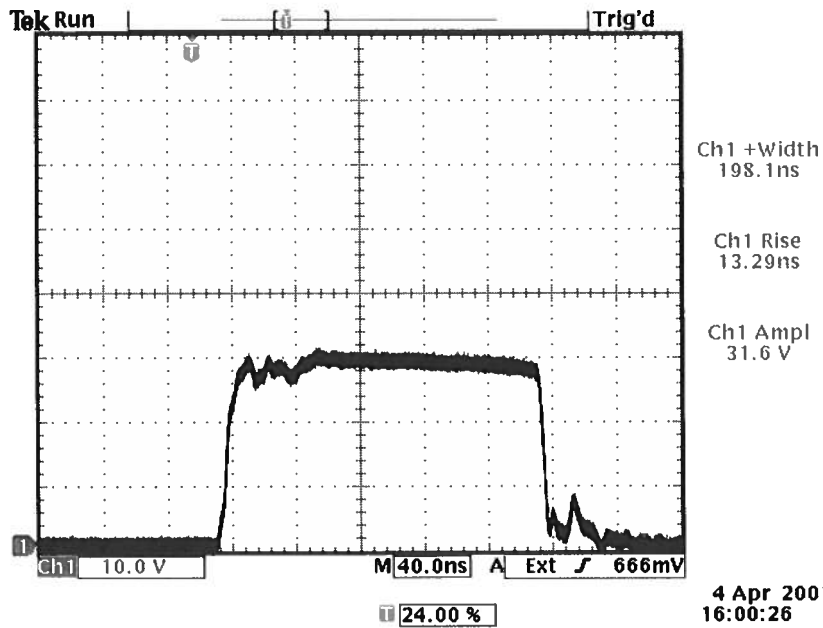
$$R_L = 0.75 \Omega$$

LOAD VOLTAGE

MAX AMP.

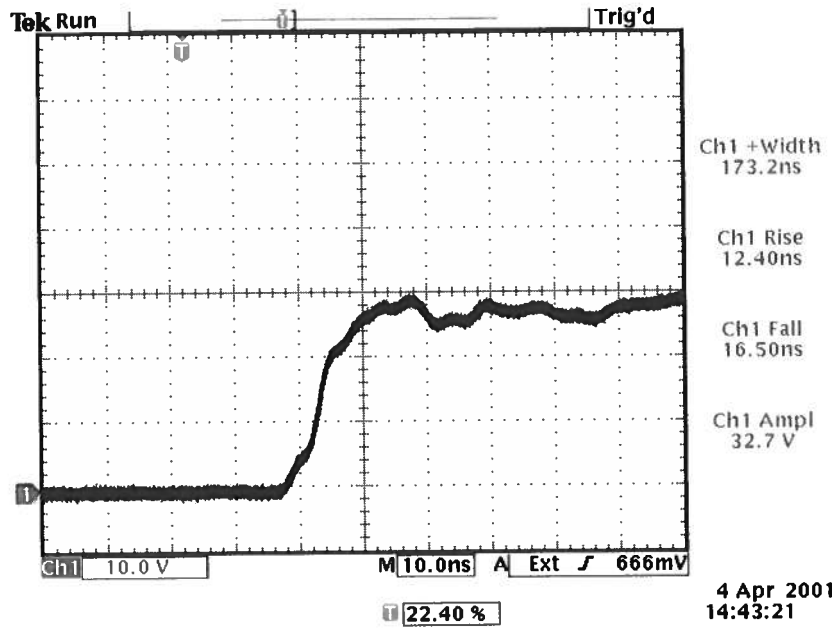
MAX PW

MAX PSF



ⓑ

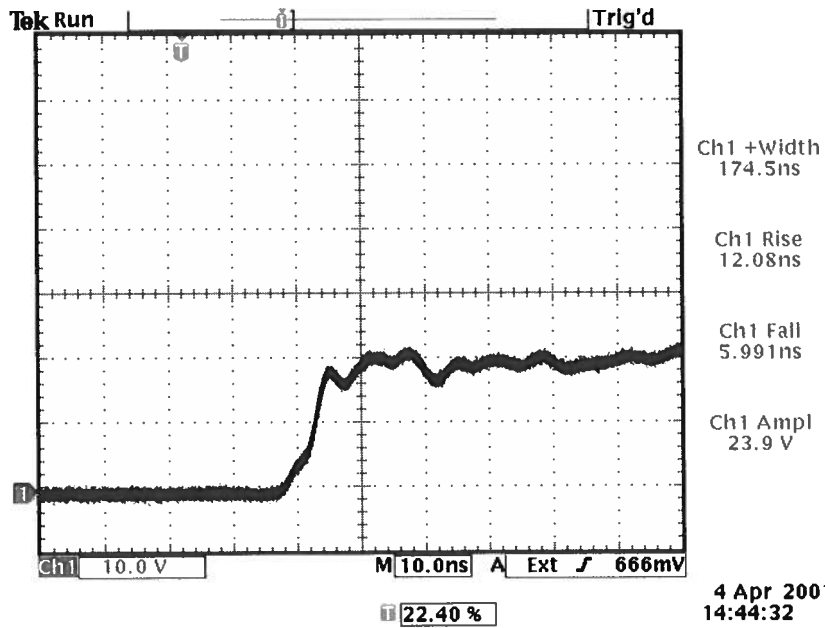
9726
AS ⓐ BUT 10 NS/DIV
LOADING EDGE.



Ⓒ

9726

HS Ⓑ BUT AMPLITUDE
PRODUCED BY $\approx 30\%$





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

"-B" Functional Test & Calibration Certificate

Date of test:	April 4, 2001				Tester:	MJC
Programmed model name:	AVO-5A-B-P					
Programmed serial number:	9726					
Firmware revision:	2.24					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	5 kHz	
Actual measured output ¹ :	1.001 Hz	10.01 Hz	100.0 Hz	1.001 kHz	5.000 kHz	
External trigger checked:	yes			Gate checked:	yes	
Manual trigger checked:	yes					
Pulse compression checked:	yes			Low Amplitude PW Distortion Nulled:	N/A	
Pulse width checked at:	20 ns	50 ns	100 ns	200 ns	100 Hz, +30V to 0.73 Ohms	
Actual measured output ² :	19.8 ns	48.7 ns	101.1 ns	200.0 ns		
PWin = PWout mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	N/A					
Delay nulled:	yes					
Delay checked at:	100 ns	200 ns	500 ns		100 Hz, +30V to 0.73 Ohms	
Actual measured output ¹ :	100.5 ns	200.6 ns	505 ns			
Double pulse checked:	N/A					
Invert mode checked:	N/A					
ECL/TTL modes checked:	N/A					
Zout switch checked:	N/A					
Amplitude checked at:	+10V	+20V	+30V		100 Hz, 200 ns to 0.73 Ohms	
Actual measured output ² :	+10.0V	+20.2V	+30.0V			
Amplitude polarity:	+					
Zout calibration:	N/A					
Electronic amplitude control:	N/A					
External amplify mode:	N/A					
Ultravolt flux removed:	N/A					
Monitor V/I Ratio:	N/A			Monitor offset nulled:		
LCD Monitor calibrated:	N/A			Monitor offset nulled:		
Offset checked at:	N/A					
Actual measured output ² :	N/A					
Offset nulled (output on):	N/A			Amplitude-dependent offset nulled:		
Offset nulled (output off):	N/A					
RS-232 checked:	yes					
Sync pulse width checked:	200 ns					
Circuit Boards:	PS:	93	Main:	108B		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	6.2k+15k		
DC fuses:	Positive:	1A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.47A	Max. Load:	0.53A		
AC fuse:	1A					
Photographed:	yes					

¹ Checked with: Fluke PM6681 Counter, referenced to Datum ExacTime 9390-6000 GPS Frequency Reference

² Checked with: Tektronix TDS3052 digital oscilloscope for PW ≥ 5 ns,
 Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system for PW < 5 ns.