

PULSE GENERATOR
PERFORMANCE CHECK

Model: *AG-6C-B-P*

S.N.: *10278*

Date: *MAY 31 2002*

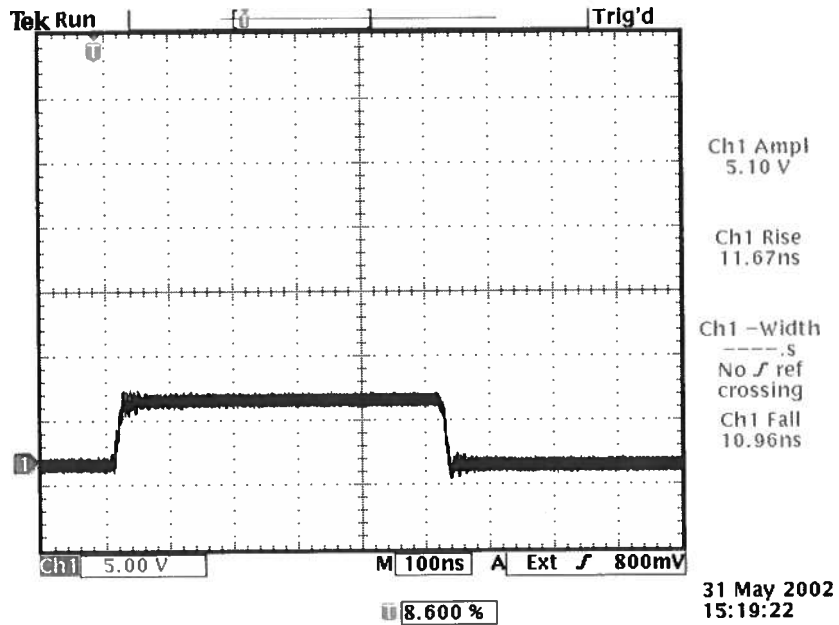
- a) Output signal amplitude:
0 TO + 5.0 MPV
- b) Pulse width:
50 NS TO 5.0 US
(1% MAX DUTY CYCLE)
- c) Rise time:
≤ 10 NS
- d) Fall time:
≤ 10 NS
- e) PRF: *0 TO 10 KHz.*
(1% MAX DUTY CYCLE)
- f) Jitter, stability:
OK
- g) Prime power:

120/240 V
50-60 Hz



(A)

10273
TEK CT2 CURRENT PROBE
OUTPUT.
5 Amps/DIV
100 ns/DIV



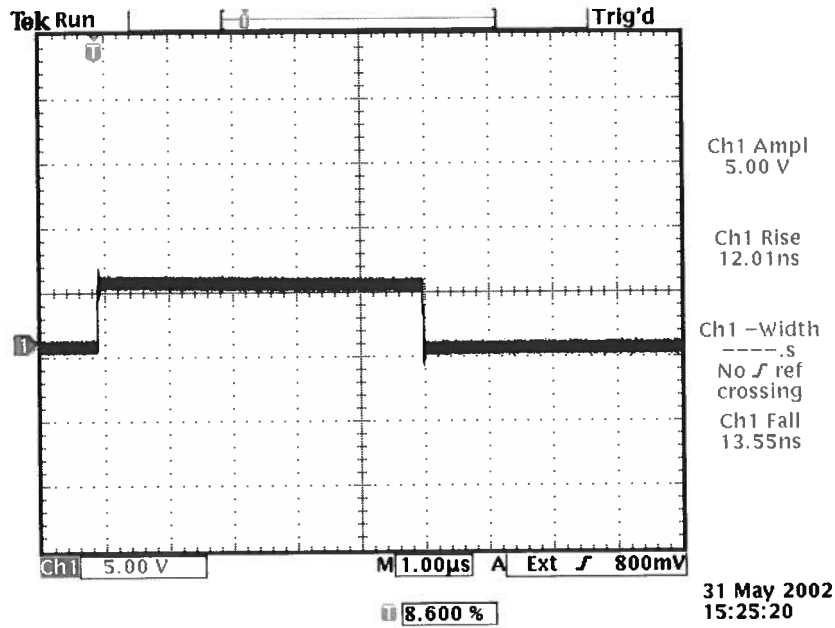
(B)

10278

TEK CT2 CURRENT PROBE
OUTPUT

2.5 Amps/DIV

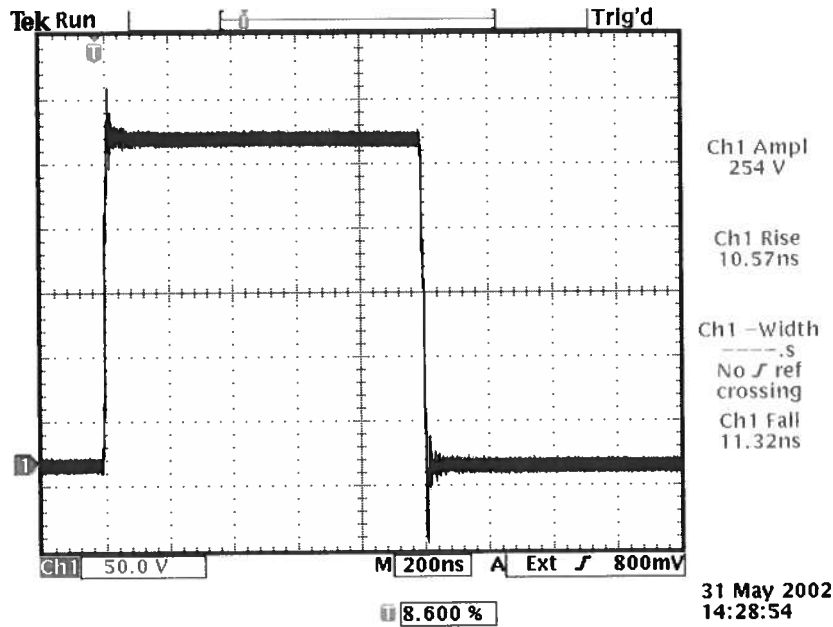
1.0 US/DIV



©

10278

MANIPULATING OUT
TO 50Ω





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:	May 31, 2002				Tester:	MJC	
Programmed model name:	AVO-6C-B-P						
Programmed serial number:	10278						
Firmware revision:	2.40						
Temp, RH:	25.9°C, 42.0%						
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	10 kHz		
Actual measured output ¹ :	1.006 Hz	10.04 Hz	100.4 Hz	1.002 kHz	10.02 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:	50 ns	500 ns	5 us				
Actual measured output ² :	49.4 ns	507 ns	5.08 us	100 Hz, +250V to 50 Ohms			
PW _{in} = PW _{out} mode checked:	N/A	DC mode checked:				N/A	
Duty Cycle Limit:	1%						
Delay nulled:	yes						
Delay checked at:	100 ns	500 ns	5 us				
Actual measured output ¹ :	100.0 ns	506 ns	5.07 us	100 Hz, +250V to 50 Ohms			
Double pulse checked:	N/A						
Invert mode checked:	N/A						
ECL/TTL modes checked:	N/A						
Zout switch checked:	N/A						
Amplitude checked at:	+50V	+100V	+250V				
Actual measured output ² :	+51V	+102V	+255V	100 Hz, 5 us to 50 Ohms			
Amplitude polarity:	+						
Zout calibration:	N/A						
Electronic amplitude control:	N/A						
External amplify mode:	N/A						
Ultraviolet flux removed:	N/A						
Monitor V/I Ratio:	N/A	Monitor offset nulled:					
LCD Monitor calibrated:	N/A						
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						
LCD pull-ups installed:	yes						
Sync pulse width checked:	200 ns						
Circuit Boards:	PS:	93	Main:	108B			
Overload Trigger Resistance:	Trips at:	N/A	Installed:	6.2k			
DC fuses:	Positive:	1A	Negative:	N/A			
AC Current at 115 VAC:	Quiescent:	0.43A	Max. Load:	0.77A			
AC fuse:	1A						
120/240V operation:	OK	Fan operational:				yes	
Photographed:	yes						

¹ Checked with: Fluke PM6681 Counter (S/N 9446 066 81016), referenced to Datum ExacTime 9390-6000 (S/N 4461) GPS Frequency Reference

² Checked with: Tektronix TDS3052 digital oscilloscope (S/N B014783) for PW ≥ 5 ns, Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system (Cal. Label 112506) for PW < 5 ns.