

PULSE GENERATOR

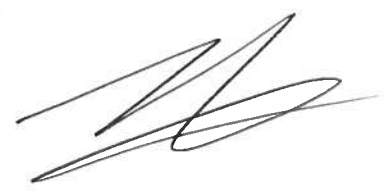
PERFORMANCE CHECK

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

S.N.: *9531*

Date: *OCT 27 2000*

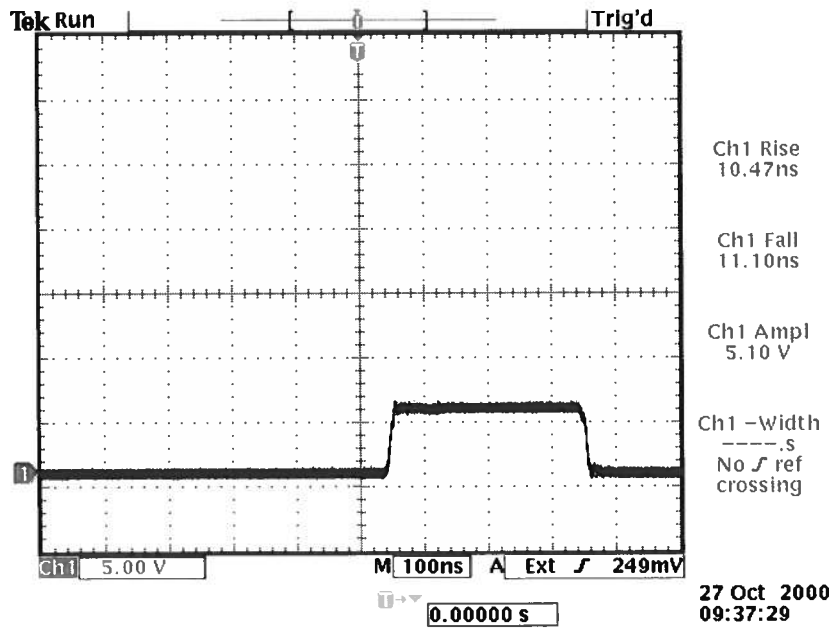
- a) Output signal amplitude:
0 TO + 5.0 AMPS
- b) Pulse width:
50 NS TO 5.0 US
- c) Rise time:
*(1% MAX DUTY CYCLE)
≤ 10 NS*
- d) Fall time:
≤ 10 NS
- e) PRF: *0 TO 10 KHz*
(1% MAX DUTY CYCLE)
- f) Jitter, stability:
OK
- g) Prime power:
120/240 V
50-60 Hz.



(A)

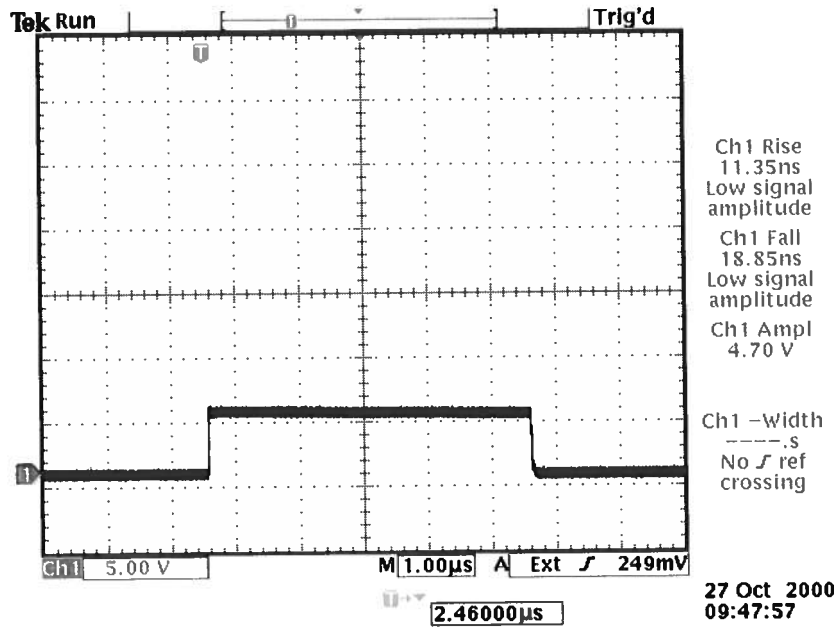
9531

TEK CT-2 CURRENT
PROBE OUTPUT
≈ 5 AMPS/DIV
100 NS/DIV



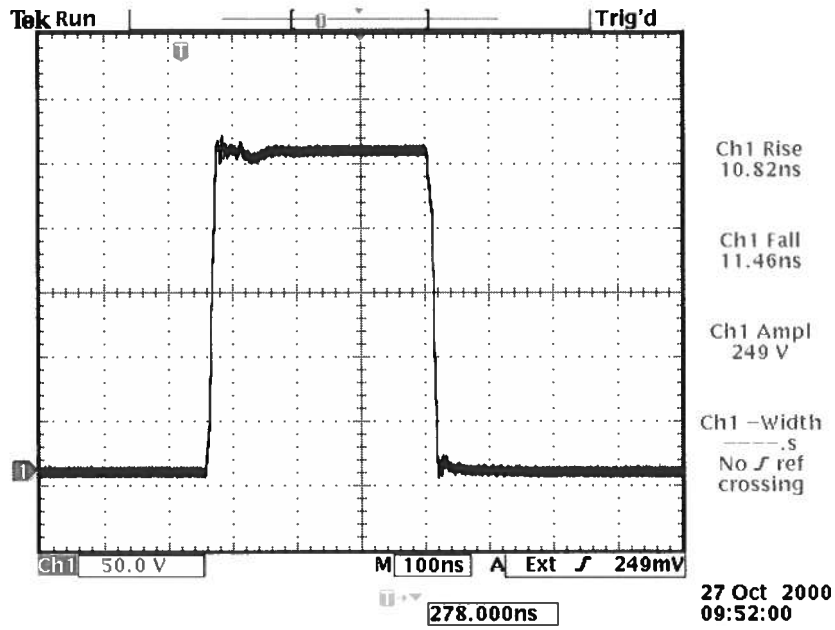
9531

TEK CT-2 CURRENT
PROBE OUTPUT
= 5 AMPS / DIV
1.0 μ S / DIV



9531

MAINFRAME OUTPUT
TO 50 Ω .





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"-B" Functional Test & Calibration Certificate

Date of test:	October 27, 2000				Tester:	MJC
Programmed model name:	AVO-6C-B-P					
Programmed serial number:	9531					
Firmware revision:	2.22					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	10 kHz	
Actual measured output ¹ :	1.004 Hz	10.03 Hz	100.2 Hz	1.001 kHz	10.01 kHz	
External trigger checked:	yes			Gate checked:	yes	
Trigger load resistor present:	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		100 Hz, 250V	
Actual measured output ² :	48.8 ns	516 ns	5.05 us		into 50 Ohms	
PWin = PWout mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	1%					
Delay nulled:	yes					
Delay checked at:	100 ns	1 us	5 us		100 Hz, 250V	
Actual measured output ¹ :	103 ns	1.001 us	5.05 us		into 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:	+10V	+50V	+100V	+250V	100 Hz, 5 us,	
Actual measured output ² :	+9.8V	+49.6V	+99.2V	+254V	into 50 Ohm	
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			Monitor offset nulled:		
Mon. Single Pulse/Min PW OK:	N/A			SHA Cap:		
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:	108		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	6.2k		
DC fuses:	Positive:	1A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.40A	Max. Load:	0.70A		
AC fuse:	1A					
Photographed:	yes					

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

² Checked with: Tektronix TDS360 digital oscilloscope for PW ≥ 5 ns,
Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system for PW < 5 ns.