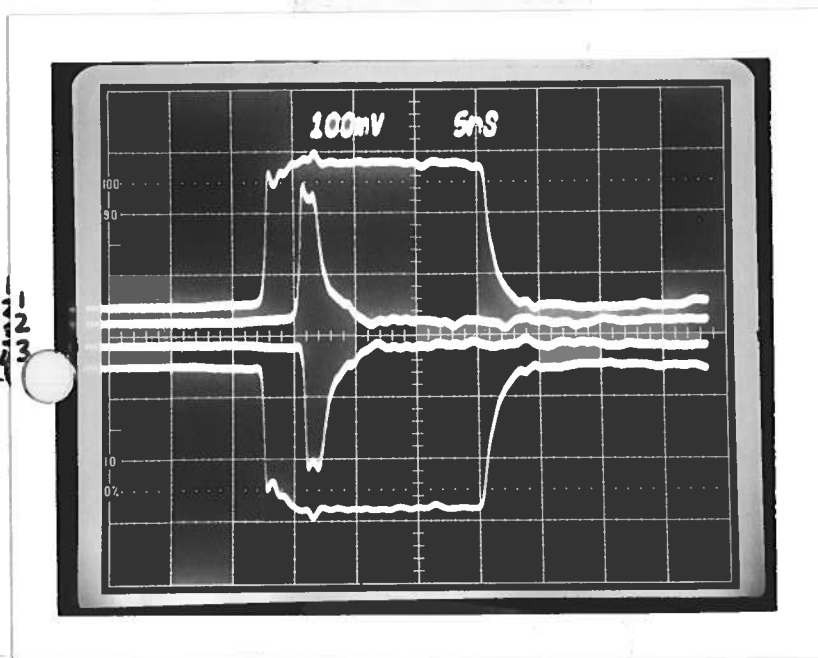


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVO-2L-B-PN

S.N.: 10147

Date: Feb. 7, 2002



- a) Output signal amplitude:
0 to $\pm 25V$, into 12.5Ω
- b) Pulse width: 2-20ns
- c) Rise time: $\leq 0.5ns$
- d) Fall time: $\leq 0.5ns$
- e) PRF: 1Hz - 20kHz
- f) Jitter, stability: OK
- g) Prime power: 120/240V
50-60Hz

11V/div; 5ns/div, $R_L = 12.5\Omega$

- 1) +25V, 20ns PW
- 2) +25V, 2ns PW
- 3) -25V, 2ns PW
- 4) -25V, 20ns PW

Measured with AVX-BP-1
high impedance scope probe.



AVTECH ELECTROSYSTEMS LTD.

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"-B" Functional Test & Calibration Certificate

Date of test:	February 6, 2002				Tester:	MJC
Programmed model name:	AVO-2L-B-PN					
Programmed serial number:	10147					
Firmware revision:	2.33					
Temp, RH:	23.4°C, 20.4%					
Internal trigger checked at:	2 Hz	20 Hz	200 Hz	2 kHz	20 kHz	
Actual measured output ¹ :	1.98 Hz	19.76 Hz	198.6 Hz	1.99 kHz	20.1 kHz	
External trigger checked:	yes			Gate checked:	yes	
Manual trigger checked:	yes					
Pulse compression checked:	yes		Low Amplitude PW Distortion Nullled:		N/A	
Pulse width checked at:	2 ns	5 ns	10 ns	20 ns	20 kHz, +25V, mainframe out	
Actual measured output ² :	2.1 ns	5.0 ns	10 ns	20 ns		
PWin = PWout mode checked:	N/A		DC mode checked:		N/A	
Duty Cycle Limit:	N/A					
Delay nullled:	yes					
Delay checked at:	100 ns	200 ns	500 ns		20 kHz, +25V, mainframe out	
Actual measured output ¹ :	98.3 ns	199 ns	504 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:	-5V	+10V	-15V	+25V	20 kHz, 20 ns, to 12.5 Ohms	
Actual measured output ² :	-4.9V	+9.9V	-15V	+25V		
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 nullled:			
LCD Monitor calibrated:	N/A					
Offset checked at:	N/A					
Actual measured output ² :	N/A					
Offset nullled (output on):	N/A		Amplitude-dependent offset nullled:			
Offset nullled (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:	N/A		
DC fuses:	Positive:	0.25A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.40A	Max. Load:	0.41A		
AC fuse:	1A					
120/240V operation:	OK					
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.