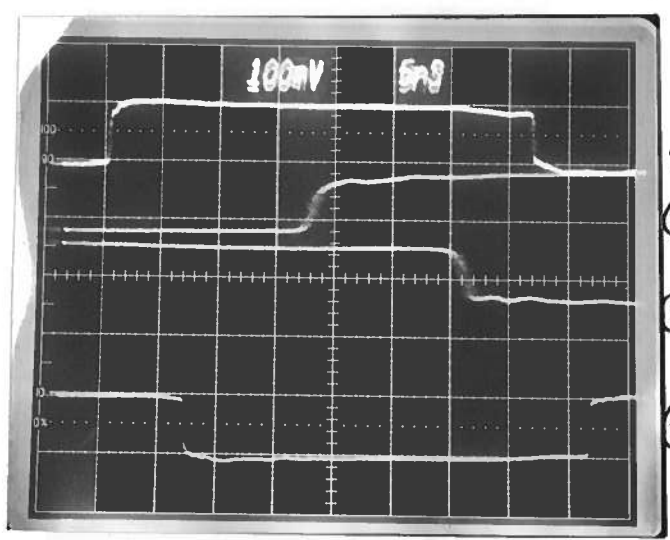


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVAMP-2-B-PN-0T.
 S.N.: 9368
 Date: JUNE 9 2000



- a) Output signal amplitude:
0 TO ± 10 VOLTS (P050V)
- b) Pulse width:
5 TO 100 NS
- c) Rise time:
 ≤ 100 ps
- d) Fall time:
 ≤ 135 ps.
- e) PRF:
0 TO 1.0 MHz.
- f) Jitter, stability: OK
- g) Prime power: 120/240 V

40 db ATTN. \therefore 10V/DIV

- ① T_{out} 5 ns/DIV
 - ② T_{out} 500 ps/DIV, RISE TIME
 - ③ T_{out} 500 ps/DIV, FALL TIME
 - ④ N_{out} 5 ns/DIV
- 50-60 MHz
h) DC OFFSET: 0 TO ± 5 V
- PRF = 100 KHz.



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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"-B" Functional Test & Calibration Certificate

Date of test:	June 9, 2000				Tester:	MJC
Programmed model name:	AVMP-2-B-OT-PN					
Programmed serial number:	9368					
Firmware revision:	2.13					
Internal trigger checked at:	1 Hz	100 Hz	10 kHz	1 MHz		
Actual measured output ¹ :	1.000 Hz	100.0 Hz	10.00 kHz	0.999 MHz		
External trigger checked:	yes			Gate checked:	yes	
Trigger load resistor present:	yes					
Manual trigger checked:	yes					
Pulse compression checked:	yes					
Pulse width checked at:	6 ns	10 ns	50 ns	100 ns	+10V, 30 kHz,	
Actual measured output ² :	6.0 ns	10.0 ns	50.2 ns	100 ns	into 50 Ohms	
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			
Actual measured output ¹ :	106 ns	208 ns	510 ns	+10V, 30 kHz, 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:	-1V	+2V	-5V	+10V	100ns, 30 kHz, into 50 Ohms	
Actual measured output ² :	-1.01V	+1.98V	-5.04V	+10.0V		
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:	-5V	0V	+5V			
Actual measured output ² :	-4.99V	-0.005V	+5.00V	into 50 Ohms, zero amplitude		
Offset nulled (output on):	yes			Amplitude-dependent offset nulled:	N/A	
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:	N/A		
DC fuses:	Positive:	N/A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.39A	Max. Load:	0.45A		
AC fuse:	1A					
Photographed:	yes					

¹ Checked with: HP5370A Universal Time Interval Counter

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