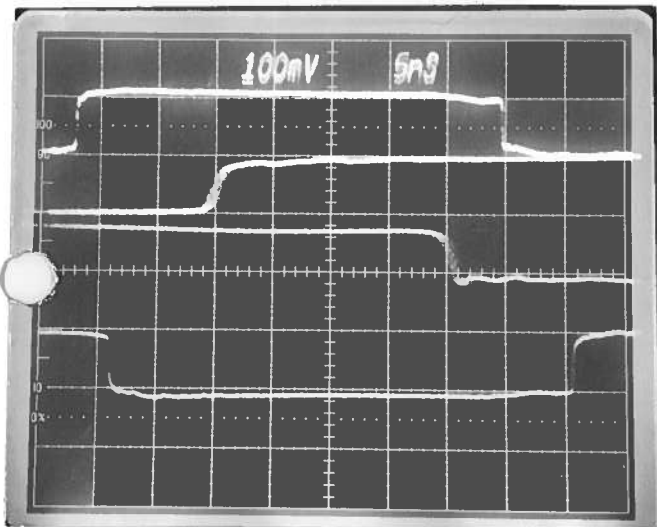


PULSE GENERATOR
PERFORMANCE CHECK

Model: *AVMP-2-PN-B*

S.N.: *9624*

Date: *JAN 5 2001*



40dB ATTEN - 10V/DIV

- a) Output signal amplitude:
0 TO ± 10V045 (70.50V)
- 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:
120/240V
50 60Hz

① *Pout 5 ns/DIV*

② *Pout 50ps/DIV, RISE TIME*

③ *Pout 50ps/DIV, FALL TIME*

④ *Wave. 5 ns/DIV*

PRF = 100KHz.



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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"-B" Functional Test & Calibration Certificate

Date of test:	January 5, 2001				Tester:	MJC
Programmed model name:	AVMP-2-B-PN					
Programmed serial number:	9624					
Firmware revision:	2.22					
Internal trigger checked at:	1 Hz	100 Hz	1 kHz	10 kHz	1 MHz	
Actual measured output ¹ :	0.998 Hz	99.7 Hz	0.995 kHz	9.98 kHz	1.002 MHz	
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:	5 ns	15 ns	50 ns	100 ns	+10V, 10 kHz	
Actual measured output ² :	4.8 ns	14.8 ns	51 ns	100.5 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	+10V, 10 kHz		
Actual measured output ¹ :	100.4 ns	204 ns	508 ns	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:	-3 V	+3 V	-10 V	+10 V	10 kHz, 100 ns	
Actual measured output ² :	-3.00 V	+3.02 V	-10.2V	+10.1V	into 50 Ohms	
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:		
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:	N/A		
DC fuses:	Positive:	N/A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.56A	Max. Load:	0.61A		
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.