

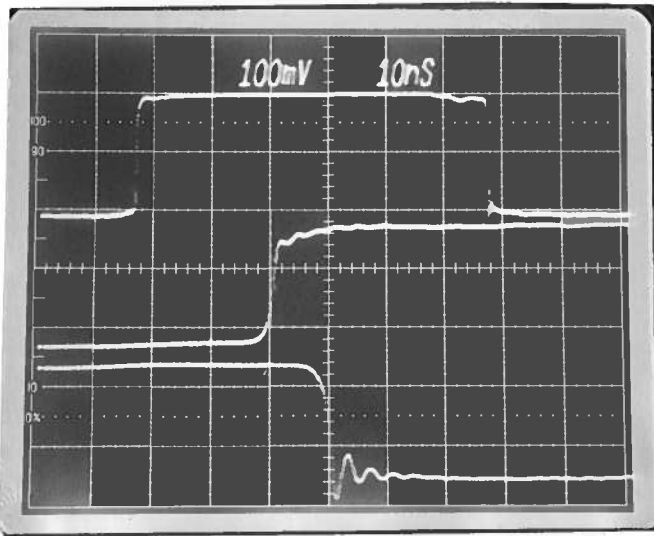
PULSE GENERATOR

PERFORMANCE CHECK

Model: AMP-3-B-P-OT-EA-R5

S.N.: 9845

Date: JUNE 8 2001



a) Output signal amplitude:
0 TO +20 VOLTS (7050N)

b) Pulse width:
8 TO 100 NS

c) Rise time:
≤ 300PS

d) Fall time:
≤ 300PS

e) PRF:
0 TO 1.0 MHz

f) Jitter, stability:
OK

g) Prime power: 120 - 240V
50 - 60 Hz

h) DC OFFSET: 0 TO ± 10 VOLTS
± 200 mA on AX.

40 dB ATTN
10 VOLTS / DIV
TOP 10 NS / DIV
MID 1 NS / DIV (RISE TIME)
BOT 1 NS / DIV (FALL TIME)
PRF = 100 KHz
0 V OFFSET



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"-B" Functional Test & Calibration Certificate

Date of test:	June 8, 2001				Tester:	MJC
Programmed model name:	AVMP-3-B-P-OT-ELA-R5					
Programmed serial number:	9845					
Firmware revision:	2.25					
Internal trigger checked at:	1 Hz	100 Hz	1 kHz	10 kHz	1 MHz	
Actual measured output ¹ :	1.004 Hz	100.1 Hz	1.002 kHz	10.02 kHz	0.999 MHz	
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:	8 ns	20 ns	50 ns	100 ns	100 kHz, +20V to 50 Ohms	
Actual measured output ² :	7.9 ns	20.4 ns	51.7 ns	101.1 ns		
PW _{in} = PW _{out} mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	10%					
Delay nulled:	yes					
Delay checked at:	100 ns	200 ns	500 ns		100 kHz, +20V to 50 Ohms	
Actual measured output ¹ :	100.4 ns	200.7 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	+20V		100 kHz, 100 ns, 50 Ohms	
Actual measured output ² :	+5.04V	+10.00V	+20.0V			
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:		
Offset checked at:	-10V	0V	+10V		into 50 Ohms	
Actual measured output ² :	-10.00V	-0.007V	+9.99V			
Offset nulled (output on):	yes			Amplitude-dependent offset nulled:	N/A	
Offset nulled (output off):	yes					
RS-232 checked:	yes					
Sync pulse width checked:	200 ns					
Circuit Boards:	PS:	93	Main:	108B		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	22k		
DC fuses:	Positive:	N/A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.45A	Max. Load:	0.56A		
AC fuse:	1A					
Photographed:	yes					

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

² Checked with: Tektronix TDS3052 digital oscilloscope for PW ≥ 5 ns,
Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system for PW < 5 ns.