

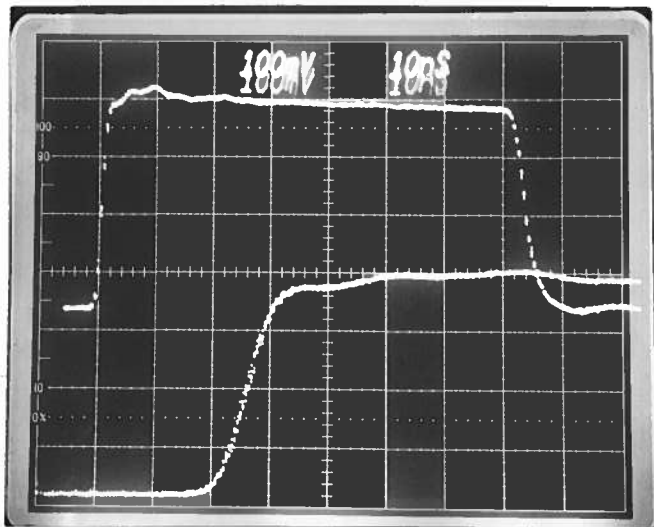
PULSE GENERATOR

PERFORMANCE CHECK

Model: *PVL-2-B PN*

S.N.: *9993*

Date: *NOV 16 2001*



- a) Output signal amplitude:
0 to ± 350 (to 50Ω)
- b) Pulse width:
5 to 100 ns
- c) Rise time:
≤ 2 ns
- d) Fall time:
≤ 3 ns
- e) PRF:
0 to 5 KHz.
- f) Jitter, stability:
OK
- g) Prime power:

60 db ATTN

100 VOLTS/DIV

TRP 10 NS/DIV

BOI 2 NS/DIV (LOADING EDGE)

120/200V
50-60Hz.



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 SINCE 1975

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"-B" Functional Test & Calibration Certificate

Date of test:	November 16, 2001				Tester:	MJC
Programmed model name:	AVL-2-B-PN					
Programmed serial number:	9993					
Firmware revision:	2.31					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	5 kHz	
Actual measured output ¹ :	0.998 Hz	9.991 Hz	99.83 Hz	0.998 kHz	4.99 kHz	
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:	5 ns	20 ns	50 ns	100 ns	1 kHz, +350V	
Actual measured output ² :	5 ns	20 ns	50 ns	100 ns	to 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		1 kHz, +350V	
Actual measured output ¹ :	102 ns	199 ns	504 ns		to 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:	-50V	+100V	-200V	+300V	1 kHz, 50 ns to	
Actual measured output ² :	-52V	+103V	-200V	+300V	50 Ohms	
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:	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:	108B		
Overload Trigger Resistance:	Trips at:	N/A	Installed:	15k		
DC fuses:	Positive:	0.5A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.39A	Max. Load:	0.46A		
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.