

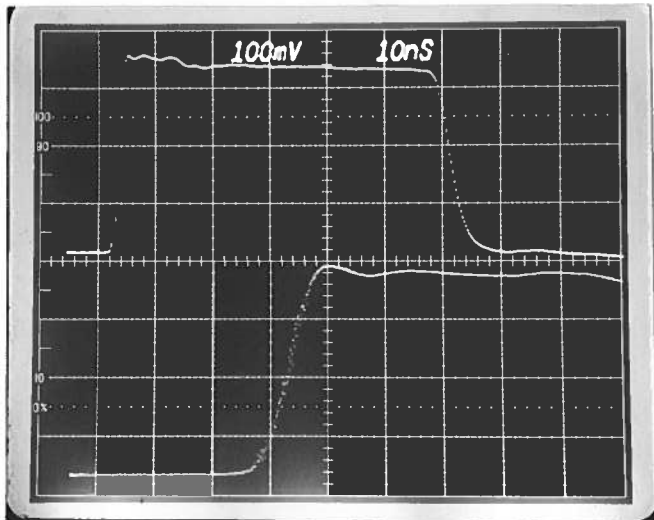
PULSE GENERATOR

PERFORMANCE CHECK

Model: *AVL-2-B-PN*

S.N.: *10080*

Date: *JUN 14 2002*



- a) Output signal amplitude:
0 TO ±350V (70.50Ω)
- 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:
120/240V
5Ω - 60 Hz

60 dB ATTN
100 VOLTS/DIV
TOP 10 NS/DIV
BOT 2 NS/DIV (RISE TIME)

PRF = 2 KHz.



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"-B" Functional Test & Calibration Certificate

Date of test:	January 14, 2002				Tester:	MJC
Programmed model name:	AVL-2-B-PN					
Programmed serial number:	10080					
Firmware revision:	2.33					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	5 kHz	
Actual measured output ¹ :	1.000 Hz	9.999 Hz	100.0 Hz	0.999 kHz	4.995 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	2 kHz, +350V to 50 Ohms	
Actual measured output ² :	5 ns	21 ns	50 ns	100 ns		
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	2 kHz, +350V to 50 Ohms		
Actual measured output ¹ :	104 ns	203 ns	506 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:	-50V	+100V	-200V	+350V	2 kHz, 50 ns to 50 Ohms	
Actual measured output ² :	-47V	+100V	-195V	+350V		
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					
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:	0.40A	Max. Load:	0.47A		
AC fuse:	1A					
120/240V operation:	yes					
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.