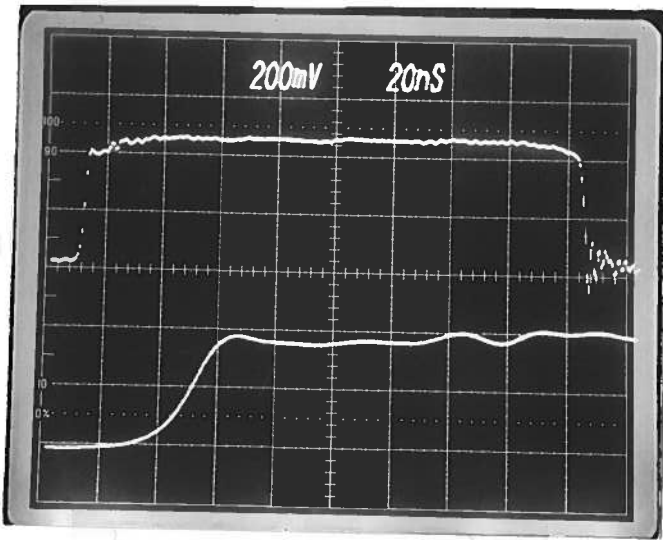


PULSE GENERATOR
PERFORMANCE CHECK

Model: *AVO-6C-B-P-F1-M-0A*

S.N.: *9206*

Date: *MAR 29 2000*



- a) Output signal amplitude:
0 TO + 5 AMPS
- b) Pulse width:
50 NS TO 5.0 US
(1% MAX DUTY CYCLE)
- c) Rise time:
≤ 2 NS
- d) Fall time:
≤ 2 NS
- e) PRF: *0 TO 10 KHz.*
(1% MAX DUTY CYCLE)
- f) Jitter, stability:
OK
- g) Prime power: *120/240V*
50-60 Hz.

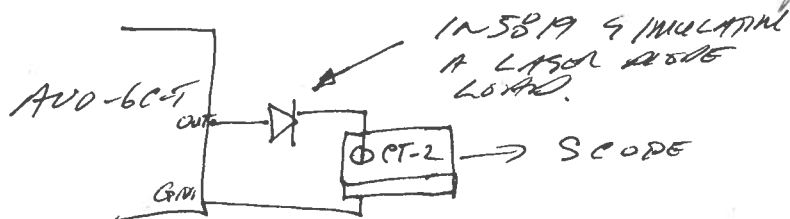
Ⓐ

TOP 20NS/DIV

BOI 2 NS/DIV (RISE TIME)

TEKTRONIX CT-2 OUTPUT

≈ 2.0 AMP/DIV



[Signature]



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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"-B" Functional Test & Calibration Certificate

Date of test:	March 30, 2000				Tester:	MJC
Programmed model name:	AVO-6C-B-F1-M-EA					
Programmed serial number:	9206					
Firmware revision:	2.11					
Internal trigger checked at:	1 Hz	100 Hz	1 kHz	10 kHz		
Actual measured output ¹ :	1.001 Hz	100.1 Hz	0.998 kHz	10.00 kHz		
External trigger checked:	yes			Gate checked:	yes	
Trigger load resistor present:	yes					
Manual trigger checked:	yes					
Pulse compression checked:	yes					
Pulse width checked at:	50 ns	500 ns	1 us	5 us	100 Hz, 200V,	
Actual measured output ² :	49.2 ns	529 ns	1.02 us	5.10 us	into 1N5819	
PW _{in} = PW _{out} mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	1%					
Delay nulled:	yes					
Delay checked at:	50 ns	500 ns	1 us	5 us	100 Hz, 200V,	
Actual measured output ¹ :	52.4 ns	500.5 ns	0.993 us	5.04 us	1us, 1N5819	
Double pulse checked:	N/A					
Invert mode checked:	N/A					
ECL/TTL modes checked:	N/A					
Zout switch checked:	N/A					
Amplitude checked at:	20V	50V	100V	200V	100 Hz, 1 us,	
Actual measured output ² :	20.0V	50.0V	100.0V	200V	into 1N5819	
Amplitude polarity:	+					
Zout calibration:	N/A					
Electronic amplitude control:	OK					
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:	6.2k		
DC fuses:	Positive:	1.0A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.41A	Max. Load:	0.70A		
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.