

PULSE GENERATOR
PERFORMANCE CHECK

Model: *AVS-6CF-B-PN-M*

S.N.: *9908*

Date: *SEPT 24 2001*

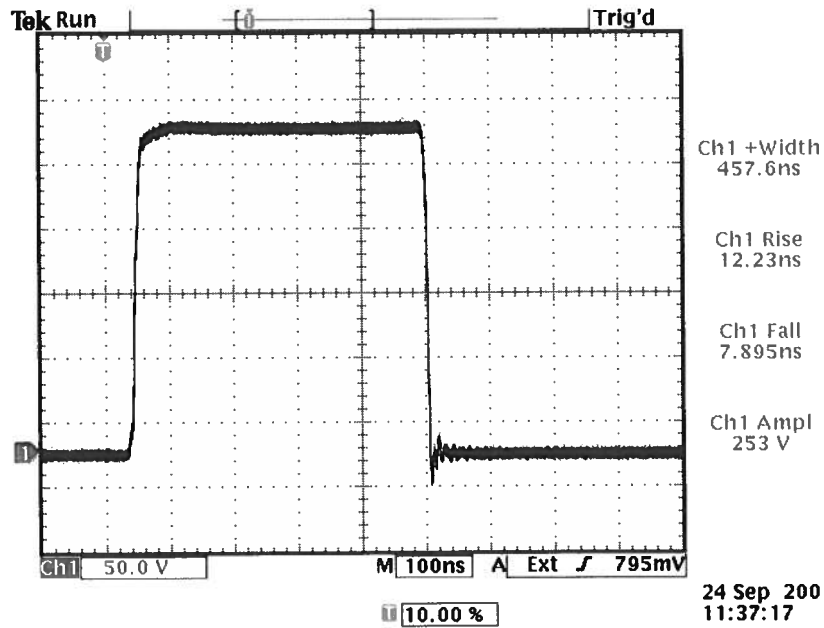
- a) Output signal amplitude:
0 TO 15 AMP
- b) Pulse width:
*(± 250V TO 50V)
50NS TO 50US
(MAX DUTY CYCLE 1%)*
- c) Rise time:
≤ 10NS
- d) Fall time:
≤ 10NS
- e) PRF:
*0 TO 10 KHz
(MAX DUTY CYCLE 1%)*
- f) Jitter, stability:
OK
- g) Prime power:
*120/240V
50-60Hz*



(A)

9908

POS OUT
MANIFLAME OUT TO 50Ω
SIGNAL PULSE



ⓑ

9903

POS OUT.

AW-6C1-T OUT

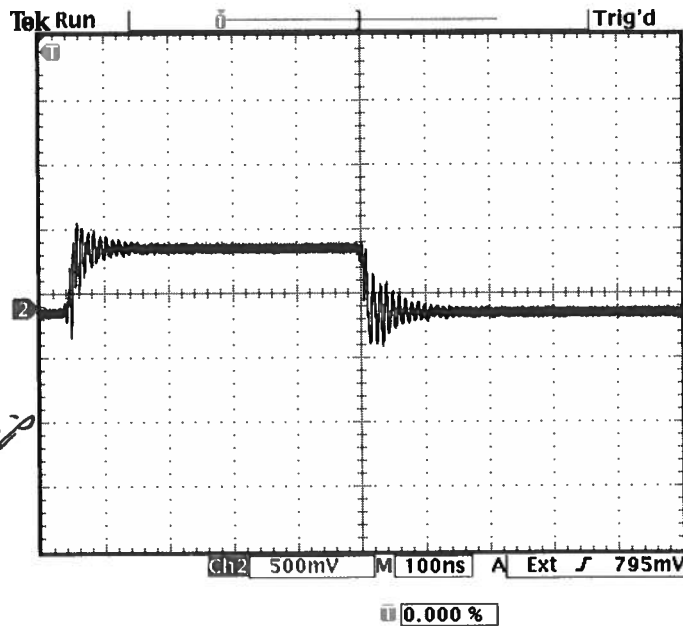
USING PEARSON 2872

CURRENT TRANSDUCER

+ A IN5819 TO SIMULATE

A DIODE LOAD.

LOAD
CURRENT
0.5V
= 5.0 AMP



24 Sep 2001
11:34:51

②

9908

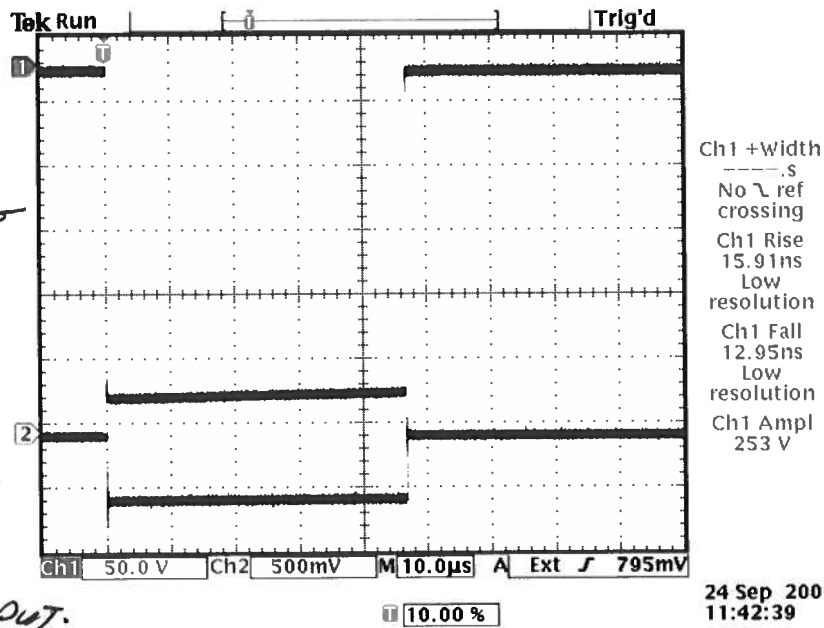
NEB OUT

MAINFRAME OUT TO 50 Ω
WIDE PULSE.

LOAD
VOLTAGE

LOAD
CURRENT
PEARSON

2872 OUTPUT.





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"-B" Functional Test & Calibration Certificate

Date of test:	September 24, 2001				Tester:	MJC
Programmed model name:	AVO-6C1-B-M-PN					
Programmed serial number:	9908					
Firmware revision:	2.27					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	10 kHz	
Actual measured output ¹ :	0.997 Hz	9.92 Hz	99.5 Hz	0.993 kHz	9.97 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:	50 ns	500 ns	5 us	50 us	100 Hz, +250V	
Actual measured output ² :	49.2 ns	506 ns	5.07 us	50.6 us		
PW _{in} = PW _{out} mode checked:	N/A	DC mode checked:			N/A	
Duty Cycle Limit:	1%					
Delay nulled:	yes					
Delay checked at:	100 ns	500 ns	5 us	50 us	100 Hz, +250V	
Actual measured output ¹ :	99.8 ns	505 ns	5.06 us	50.6 us		
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	-150V	+250V	10 kHz, 1 us	
Actual measured output ² :	-51V	+100V	-152V	+250V		
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:			
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:	6.2k		
DC fuses:	Positive:	1A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.50A	Max. Load:	0.74A		
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.