

PULSE GENERATOR
PERFORMANCE CHECK

Model: *AVO-6C1-B-PN-6A.*

S.N.: *9812*

Date: *SEPT 4 2001*

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

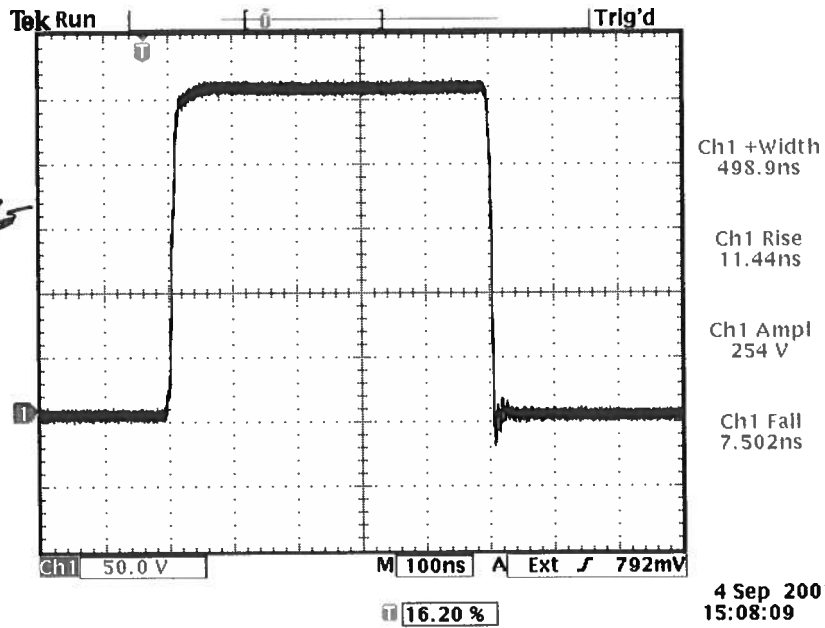


(A)

9312

POS OUT
MANFLAME OUT P 50V
START PULSE

VOLTAGE



③

9812

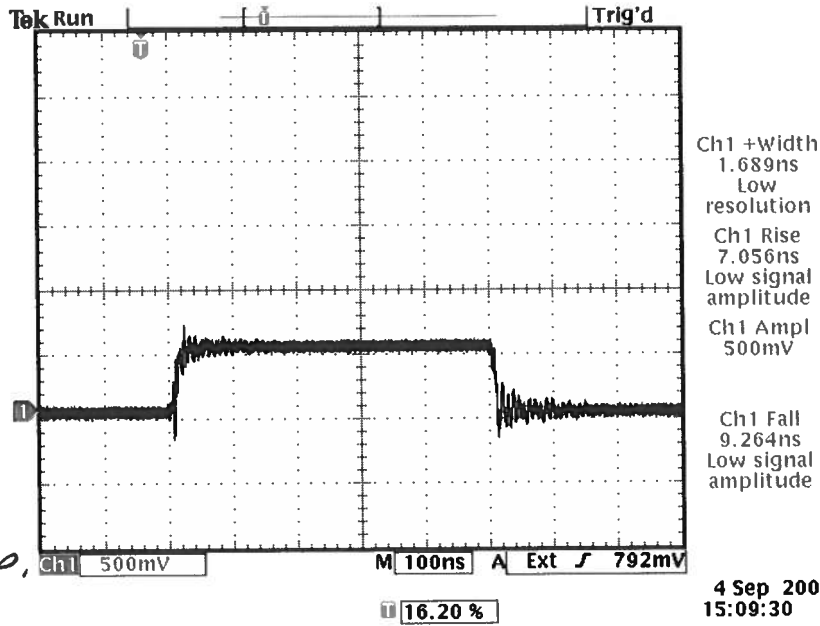
Pos out.

AD0-601-T out

USING PEARSON 2872

CURRENT X FORMAL.

SIMULATED DIODE LOAD
(IN5819)



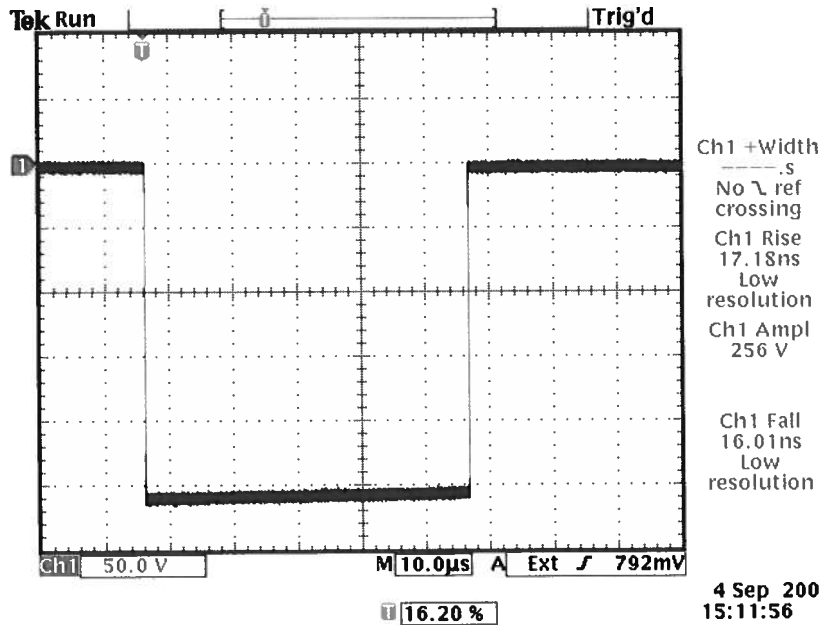
©

9812

NEG OUT.

MAINT-LAMP OUT TO 50V
WIDE PULSE

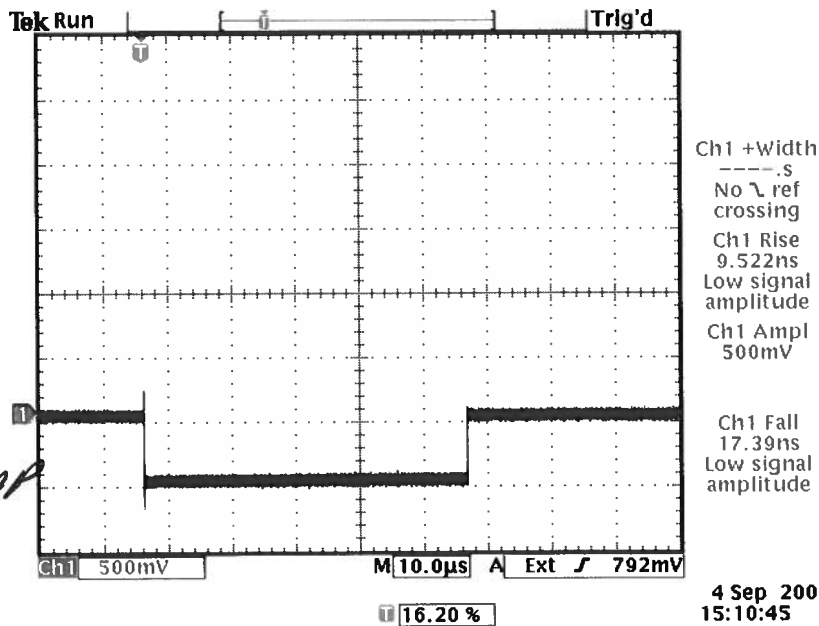
LOAD
VOLTAGE



①

9812
NEG OUT.
M0-6C1-T OUT USING
PEARSON 2872 CURRENT
TRAMPANEL, 1N5819 DIODE
L5AP.

LOAD
CURRENT
0.5V = 5 AMP





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"-B" Functional Test & Calibration Certificate

Date of test:	September 4, 2001				Tester:	MJC
Programmed model name:	AVO-6C1-B-EA-PN					
Programmed serial number:	9812					
Firmware revision:	2.27					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	10 kHz	
Actual measured output ¹ :	0.999 Hz	9.96 Hz	99.6 Hz	0.996 kHz	9.98 kHz	
External trigger checked:	yes			Gate checked:	yes	
Manual trigger checked:	yes					
Pulse compression checked:	yes	Low Amplitude PW Distortion Nullled:			N/A	
Pulse width checked at:	50 ns	500 ns	5 us	50 us	100 Hz, +250V	
Actual measured output ² :	48 ns	505 ns	5.06 us	50.5 us	to 1N5819	
PWin = PWout mode checked:	N/A			DC mode checked:	N/A	
Duty Cycle Limit:	1%					
Delay nullled:	yes					
Delay checked at:	100 ns	500 ns	5 us	50 us	100 Hz, +250V	
Actual measured output ¹ :	98.5 ns	505 ns	5.06 us	50.6 us	to 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:	-50V	+100V	-150V	+250V	100 Hz, 50us	
Actual measured output ² :	-1.01A	+2.01A	-3.00A	+5.00A	to 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 nullled:		
LCD Monitor calibrated:	N/A			Monitor offset nullled:		
Offset checked at:	N/A					
Actual measured output ² :	N/A					
Offset nullled (output on):	N/A			Amplitude-dependent offset nullled:		
Offset nullled (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:	0.51A	Max. Load:	0.72A		
AC fuse:	1 A					
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.