

PULSE GENERATOR
PERFORMANCE CHECK

Model: AVR-3-B-P

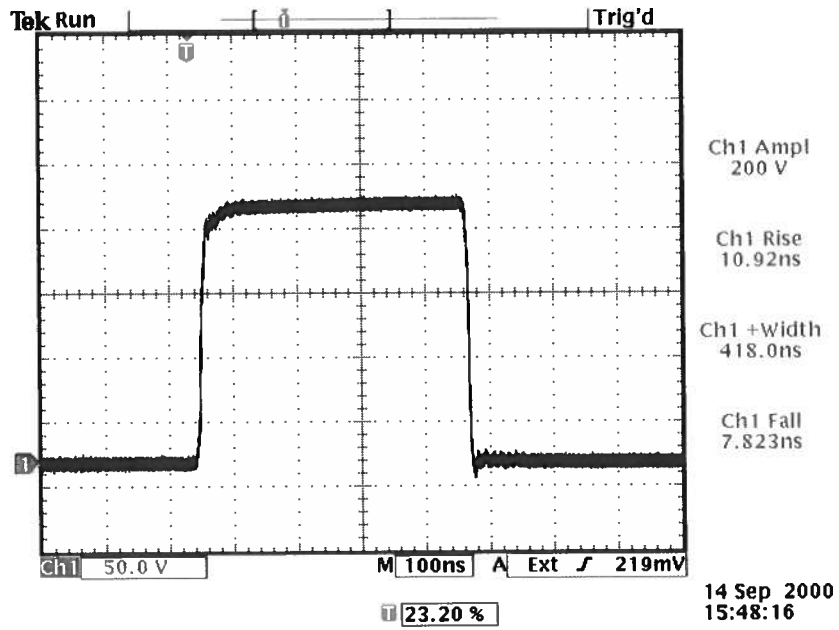
S.N.: 9484

Date: SEPT 14 2000

- a) Output signal amplitude:
0 TO +200V ($R_L \geq 50\Omega$)
- b) Pulse width:
0.1 TO 100 μ S
- c) Rise time:
(0.5% MAX DUTY CYCLE)
 ≤ 10 NS
- d) Fall time:
 ≤ 10 NS
- e) PRF:
0 TO 10 KHz
(0.5% MAX DUTY CYCLE)
- f) Jitter, stability:
OK
- g) Prime power:
120/240 Vrms
50-60 Hz



9484
NARROW PULSE
 $R_c = 50\Omega$
PRF ≈ 10 KHz.

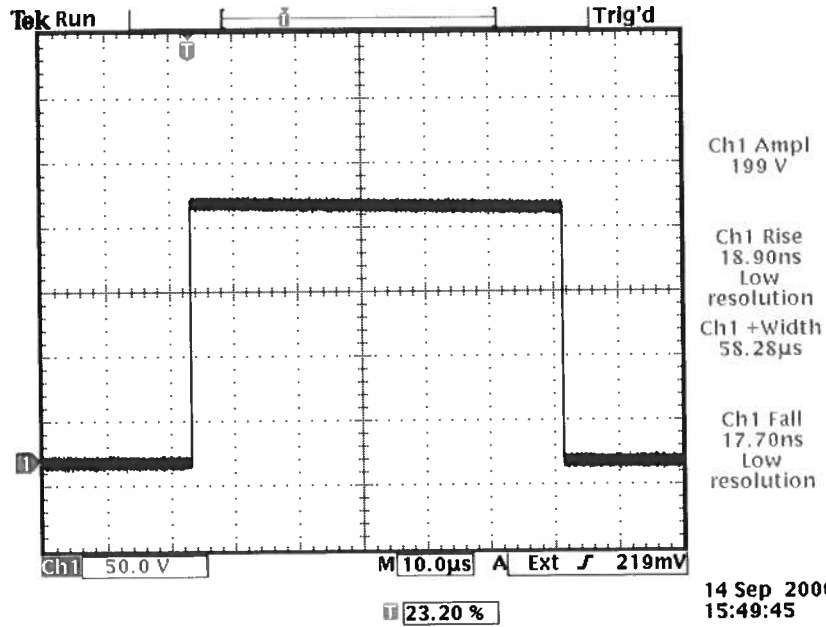


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WIDE PULSE

$R_c = 50 \Omega$

PRF ≈ 50 Hz





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"-B" Functional Test & Calibration Certificate

Date of test:	September 14, 2000				Tester:	MJC
Programmed model name:	AVR-3-B-P					
Programmed serial number:	9484					
Firmware revision:	2.22					
Internal trigger checked at:	1 Hz	10 Hz	100 Hz	1 kHz	10 kHz	
Actual measured output ¹ :	0.997 Hz	9.98 HZ	99.7 Hz	999.0 Hz	9.99 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:	100 ns	1 us	10 us	100 us	10 Hz, +200V, into 50 Ohm	
Actual measured output ² :	100.1 ns	1.00 us	10.0 us	99.8 us		
PWin = PWout mode checked:	yes			DC mode checked:		
Duty Cycle Limit:	0.5%					
Delay nulled:	yes					
Delay checked at:	100 ns	1 us	10 us	100 us	10 Hz, +200V, into 50 Ohm	
Actual measured output ¹ :	96.3 ns	0.995 us	10.00 us	99.93 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:	+20V	+50V	+100V	+200V	10 Hz, 50 us, into 50 Ohms	
Actual measured output ² :	20.0V	49.6V	99.2V	200.0V		
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:		
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					
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:	16.2k		
DC fuses:	Positive:	0.5A	Negative:	N/A		
AC Current at 115 VAC:	Quiescent:	0.37A	Max. Load:	0.45A		
AC fuse:	1A					
Photographed:	yes					

¹ Checked with: Fluke PM6681 Counter, referenced to Datum ExacTime 9390-6000 GPS Frequency Reference

² Checked with: Tektronix TDS360 digital oscilloscope for PW ≥ 5 ns,
Tektronix 7704A/7S11/7T11/S4 sampling oscilloscope system for PW < 5 ns.