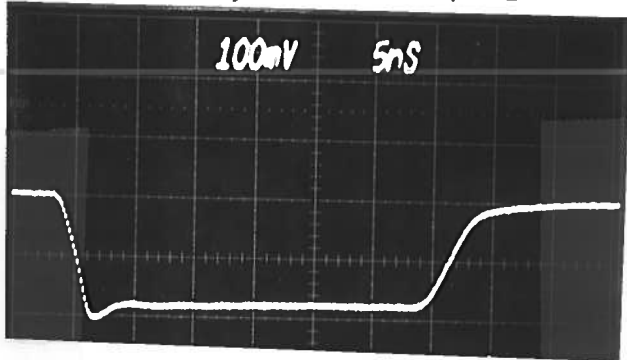


PULSE GENERATOR  
PERFORMANCE CHECK

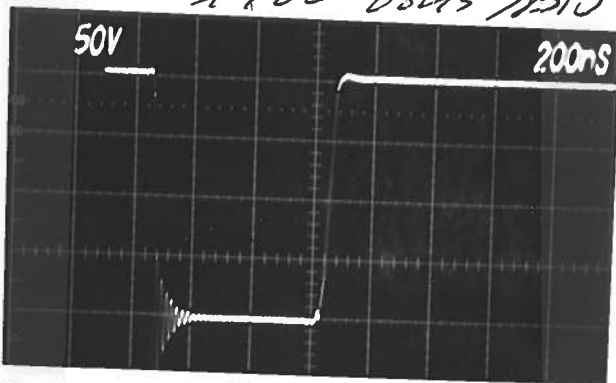
Model: AVRL - 1TT7E - 05

S.N.: 4157

Date: FEB 18 1988



A out  $R_L = 1K$   
1/2 100 VOLTS / DIV



B out  $R_L = 10K$   
100 KHz



B out  $R_L = 10K$   
50 Hz.

- a) Output signal amplitude:  
A)  $-200V$  to  $R_L \geq 1K$   
B)  $-200V$  to  $R_L \geq 1K$
- b) Pulse width:  
A)  $5$  to  $100$  nsec  
B)  $100$  nsec to  $5.0$  ms
- c) Rise time:  
A)  $\leq 3$  nsec  
B)  $\leq 10$  nsec
- d) Fall time:  
SEE RISE TIME
- e) PRF:  
A)  $0$  to  $1$  kHz  
B)  $0$  to  $50$  Hz
- f) Jitter, stability:  
OK
- g) Prime power:

120/240 V  
50-60 Hz.

b) OFFSET.

0 TO +50 VOLTS

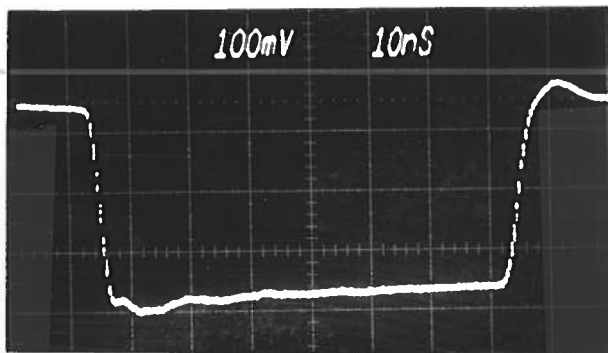
18

PULSE GENERATOR  
PERFORMANCE CHECK

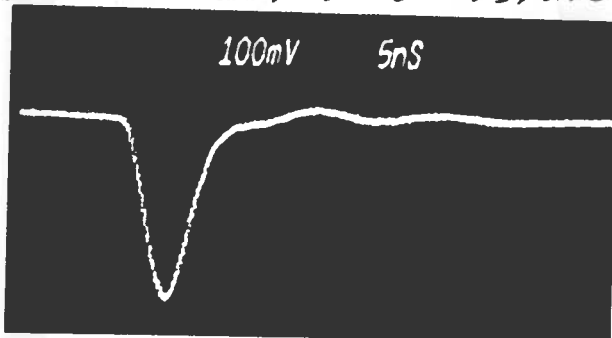
Model: AVRL-1TT7E-05-MOD1

S.N.: 4157 (MOD)

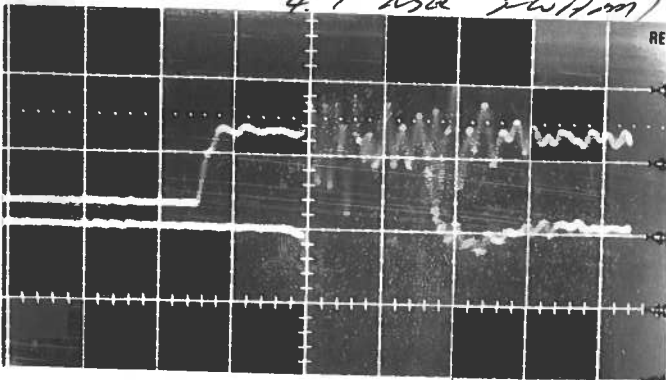
Date: MAR 27 '89



1) A<sub>out</sub> 60 db ATTN  
-100 VOLTS/DIV



2) A<sub>out</sub> PLW MIN 100 VOLTS/DIV  
7.5 nSEC PWTN  
4.7 nSEC FWHM @ 300 V



3)

- a) Output signal amplitude:  
A<sub>out</sub> :  $\approx -320$  VOLTS
- b) Pulse width:  
A<sub>out</sub> : 7.5 nSEC TO SENSE  
B<sub>out</sub> : 80 nSEC TO 50 nSEC
- c) Rise time:  
A :  $\leq 3$  nSEC  
B :  $\leq 10$  nSEC
- d) Fall time:  
A :  $\leq 3$  nSEC  
B :  $\leq 20$  nSEC
- e) PRF: 0 TO 4 kHz
- f) Jitter, stability: 50 Hz
- g) Prime power: OK

120/240 V 50-60.

4) PROP DELAY  
ATT 20% POINT,  
NO CABLES  
A :  $\approx 75$  nSEC  
B :  $\leq 80$  nSEC

← TR16 IN  
← PULSE OUT

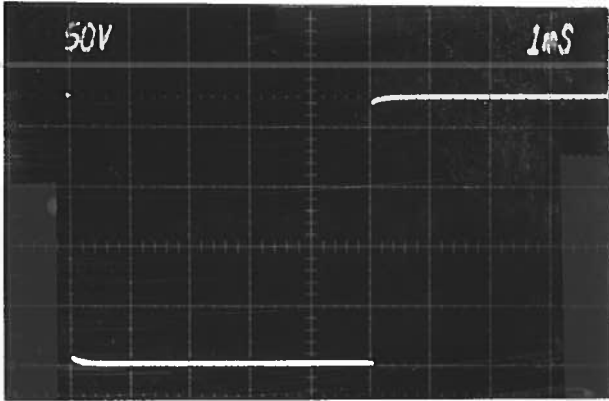
$t_p \approx 75$  nSEC  
20% RISE POINT  
(NO CABLES)

PULSE GENERATOR  
PERFORMANCE CHECK

Model:

S.N.: 4157 (MOD)

Date:



a) Output signal amplitude:

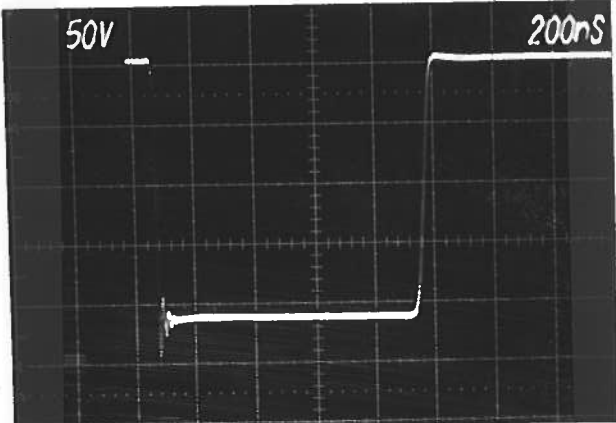
b) Pulse width:

c) Rise time:

d) Fall time:

4) B out  $R_L = \text{OPEN OUT}$   
 $PW = 1 \mu\text{S}, PRF = 50 \text{ Hz}$

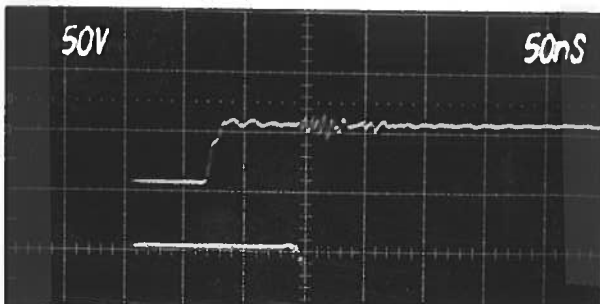
e) PRF:



f) Jitter, stability:

g) Prime power:

5) B out  $R_L = \text{OPEN OUT}$   
 $PW \text{ NEAR MIN}$



$\approx \text{TRIL}$

$t_p = 80 \text{ nsec.}$

$\approx \text{PULSE}$   
OUT

20% RISE TIME  
NO CABLES

6)