

PULSE GENERATOR  
PERFORMANCE CHECK

Model:

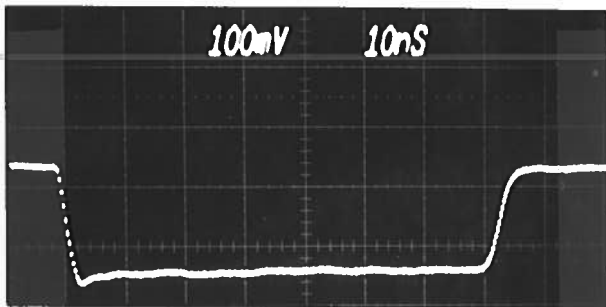
AVRL - 1TT7E - OS

S.N.:

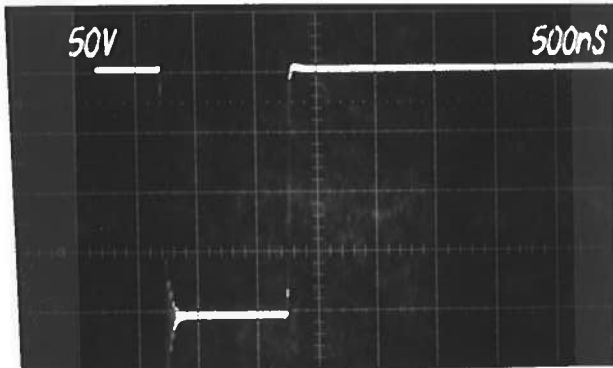
4158

Date:

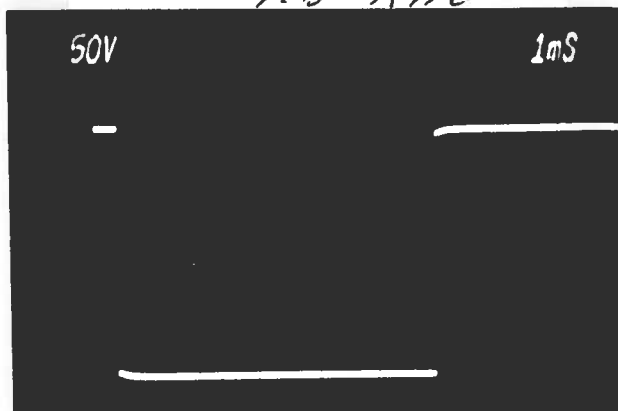
FEB 18 1988



A out  $\approx 100$  VANTS / DIV  
1 kHz



B out  $R_L = 10$  K.  
100 kHz



B out  $R_L = 10$  K.  
50 kHz

- a) Output signal amplitude:  
A) -200 V TO 71 K  
B) -200 V TO 71 K
- b) Pulse width:  
A) 5 TO 100 NSEC  
B) 100 NSEC TO 5 MSEC
- 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

h) OFFSET: 0 TO  
+ 50 V.

*[Signature]*

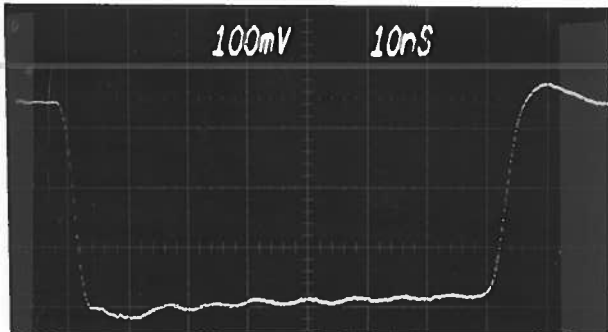
PULSE GENERATOR

PERFORMANCE CHECK

Model: *AVRL-ITT7E-05-MOD1*

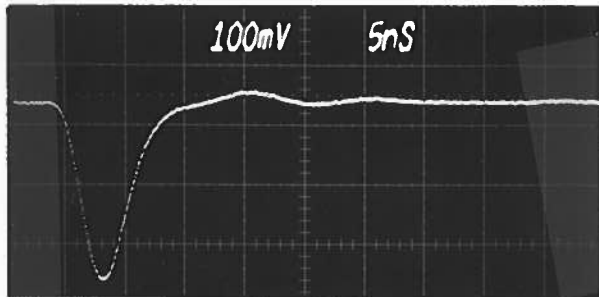
S.N.: *4158 MOD*

Date: *MAR 28 89*



- a) Output signal amplitude:  
*A<sub>out</sub> ≈ -320 VOLT*
- b) Pulse width:  
*A<sub>out</sub>: 7.5 nSEC TO 80 nSEC (FWTm)*  
*B<sub>out</sub> ≈ -215 VOLT*
- c) Rise time:  
*B<sub>out</sub>: 80 nSEC TO 5.0 nSEC*  
*A<sub>out</sub>: ≤ 3 nSEC*
- d) Fall time:  
*B<sub>out</sub>: ≤ 10 nSEC*  
*A<sub>out</sub>: ≤ 3 nSEC*
- e) PRF:  
*B<sub>out</sub>: ≤ 20 nSEC*  
*A<sub>out</sub>: 0 TO 4 kHz*
- f) Jitter, stability:  
*B<sub>out</sub>: 4 TO 5 nSEC*

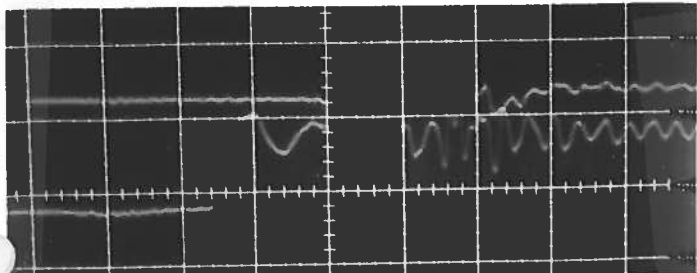
1) *A<sub>out</sub> 60 db HSTEN*  
*100 VOLTS/DIV*



2) *A<sub>out</sub> PW<sub>min</sub>*  
*7.5 nSEC (FWTm)*  
*4.5 nSEC (FWTm)*

g) Prime power:  
*OK*  
*120/240 V, 50-60 Hz*

h) PROP DELAY: *(20% POINT, NO CABLES)*  
*A) 76 nSEC*  
*B) 75 nSEC.*



← *PULSE OUT*  
← *TRIG*

*t<sub>p</sub> ≈ 76 nSEC*  
*(20% RISE POINT)*  
*(NO CABLES)*

3) *A<sub>out</sub>*

PULSE GENERATOR  
PERFORMANCE CHECK

Model:

S.N.: 4158 MOP CONT

Date:



a) Output signal amplitude:

b) Pulse width:

c) Rise time:

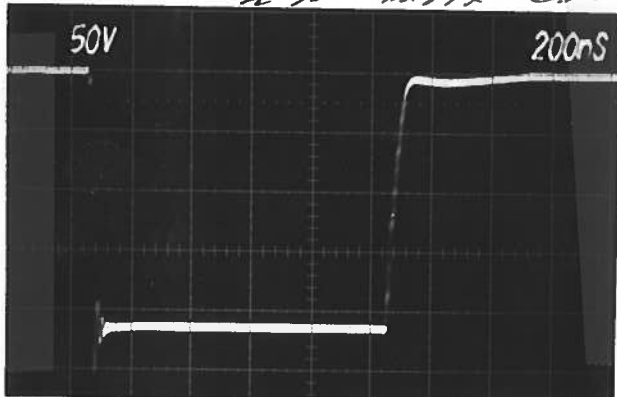
d) Fall time:

e) PRF:

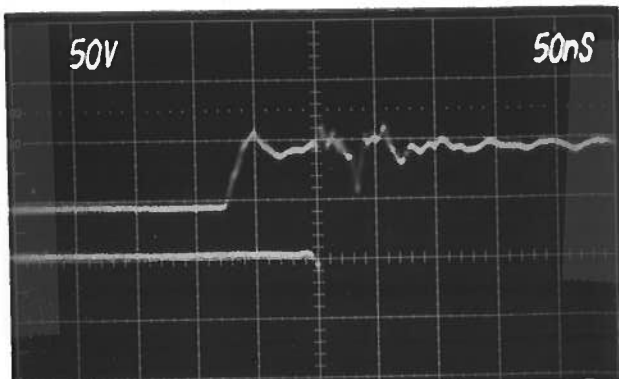
f) Jitter, stability:

g) Prime power:

Bout  $R_L = OPEN$  OCT  
2 DW MAX (50 Hz)



3) Bout DW NEAR MIN  
PRF  $\approx 500$  Hz



$\leftarrow$  TRIG.

$\leftarrow$  PULSE  
OUT

$t_p = 75$  NSER  
(20% RISE)  
POINT

h) B-