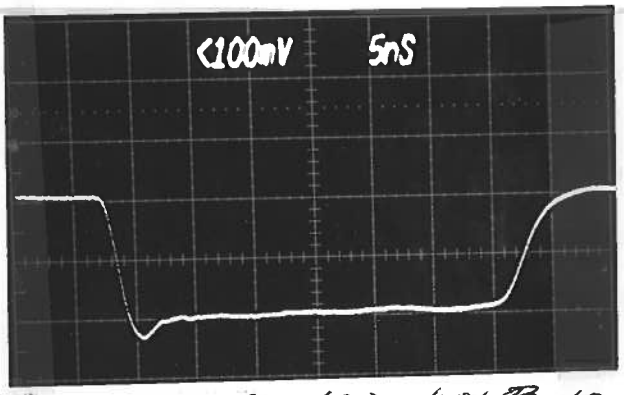
PULSE GENERATOR

PERFORMANCE CHECK

Model: ARC-1.TTTE-05

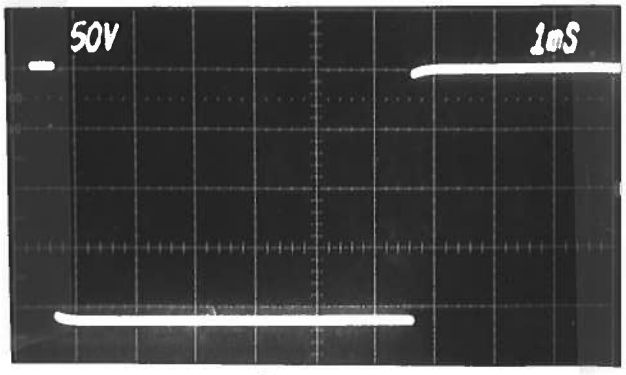
S.N.: 4154

Date: FEB 5 1988



A OUT ≈ 100 VOLTS/DIV

B OUT R_L = 10K



B OUT R_L = 10 K

a) Output signal amplitude:
A) -200 VOLTS TO 1K
B) -200 VOLTS TO 7.1K

b) Pulse width:
A) 5 TO 100 NSEC
B) 100 NSEC TO 5 MSEC

c) Rise time:
A) ≤ 3 NSEC
B) ≤ 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 VOLTS

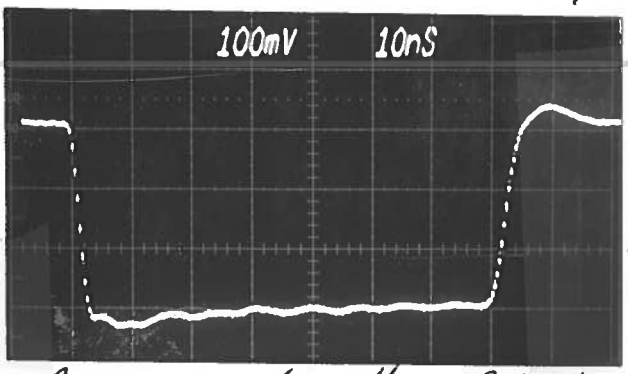
PULSE GENERATOR

PERFORMANCE CHECK

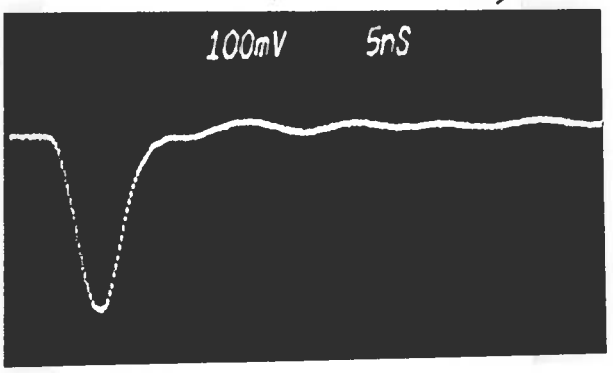
Model: AVRL-ITTE-65-MOD1

S.N.: 4154 MOD1

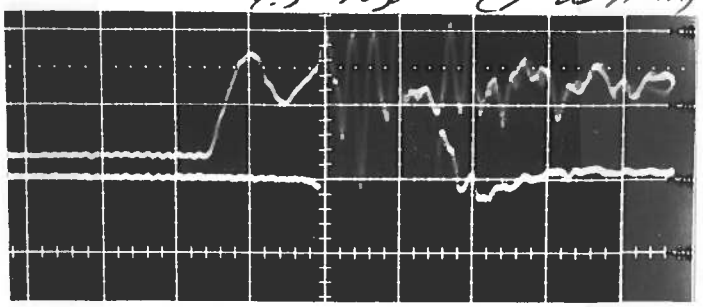
Date: MAR 29 89



1) A_{OUT} 60 db ATTEN
100 VOLTS/DIV



2) A_{OUT} PW_{MIN}
7.5 NSEC (FULL TRIM)
4.5 NSEC (FULL CCW)



← TRIG

← PULSE OUT

3) A_{OUT}

a) Output signal amplitude:
A_{OUT} : ≥ -320 VOLTS
B_{OUT} : ≥ 15 V

b) Pulse width:
A_{OUT} : 7.5 NSEC TO 80 (FULL T.
B_{OUT} : 80 NSEC TO 5.0 NSEC

c) Rise time:
A_{OUT} : ≤ 3 NSEC
B_{OUT} : ≤ 10 NSEC

d) Fall time:
A_{OUT} : < 3 NSEC
B_{OUT} : < 20 NSEC

e) PRF:
A_{OUT} : 0 TO 4 KHz
B_{OUT} : 50 Hz

f) Jitter, stability:
OK

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

h) Pulse droop: 20% DOWN
NO CABLE
A) 73 NSEC
B) 75 NSEC.

t_r = 78 NSEC
(20% RISE,
NO CABLE)

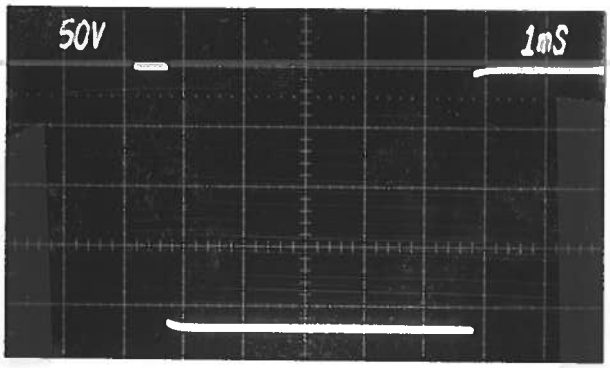
PULSE GENERATOR

PERFORMANCE CHECK

Model:

S.N.: 4154 cont

Date:



4) Bout R_L = open ckt.
≃ PW max

a) Output signal amplitude:

b) Pulse width:

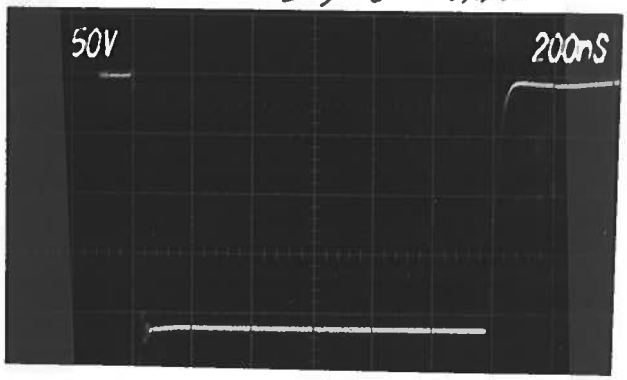
c) Rise time:

d) Fall time:

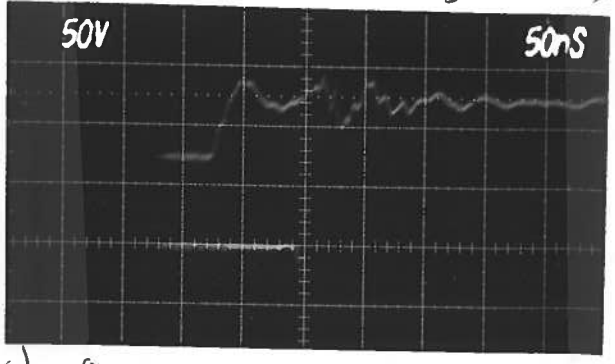
e) PRF:

f) Jitter, stability:

g) Prime power:



5) Bout PW width min
PRF ≃ 500 Hz



← TRIG

≃ pulse out

t_r ≃ 75 nsec.
(20% rise
point

6) Bout