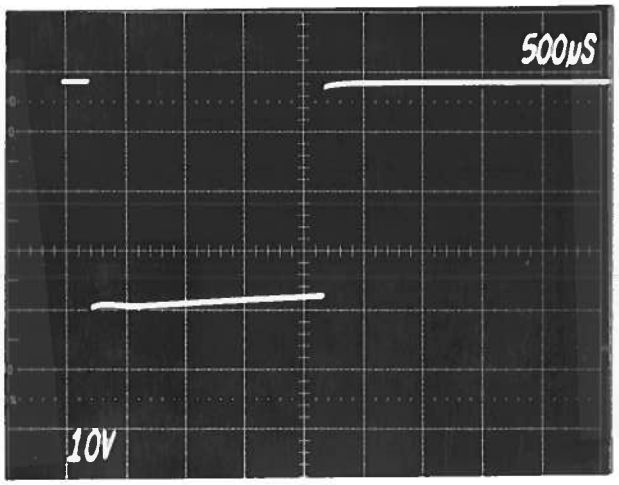
# PULSE GENERATOR

## PERFORMANCE CHECK

Model: AVO-8C-C-N-M

S.N.: 6085

Date: OCT 31 1991




a) Output signal amplitude:
0 TO -40 VOLTS TO
AT 0.25~ (200 AMPS) MAX*)

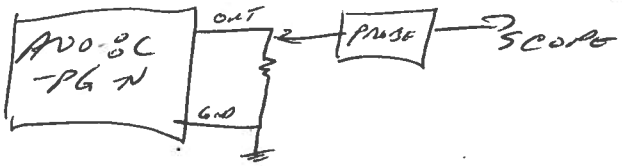
b) Pulse width:
2 uS TO 20 MS (+ DC)

c) Rise time:
≤ 1 uS

d) Fall time:
≤ 1 uS

(A) $I_C$ = 0.25~ ÷ 50 AMPS/DIV

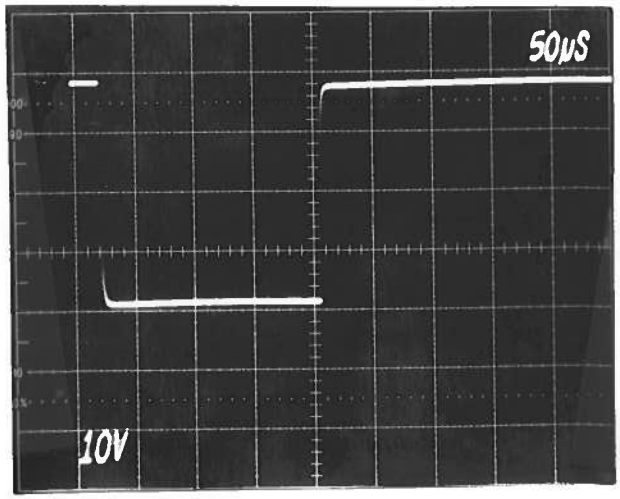
e) PRF: 0.1 HZ TO 1KHZ




f) Jitter, stability:
DIC

g) Prime power:
(a) 120/240 VOLTS, 50-60 HZ
(b) 0 TO -40 VOLTS, 100 AMP
LABS POWER SUPPLY

h) MAX DUTY CYCLE:
100 % (BUT I NOT
TO EXCEED 100 AMPS)




* MAY INCREASE
CURRENT 100 AMPS.

(B) AS (A) BUT 50uS
DIV.

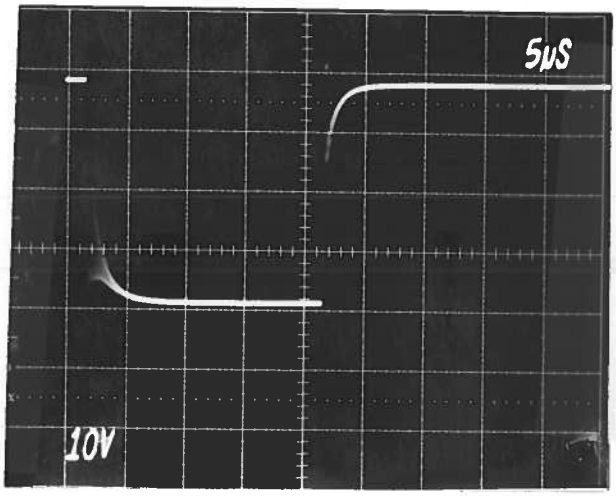
PULSE GENERATOR

PERFORMANCE CHECK

Model:

S.N.: 6095 cont

Date:




a) Output signal amplitude:

b) Pulse width:

c) Rise time:

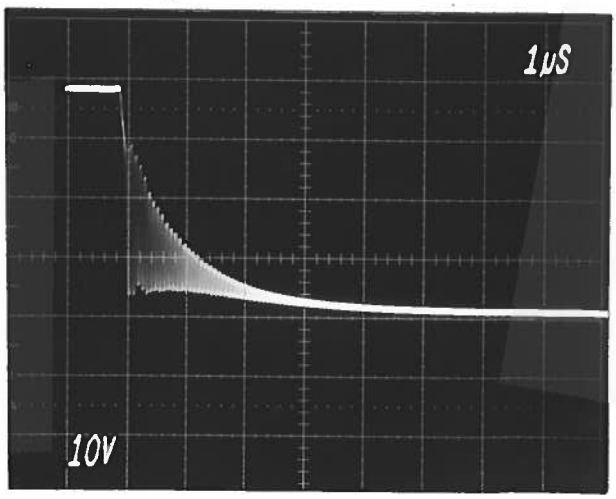
d) Fall time:

e) PRF:

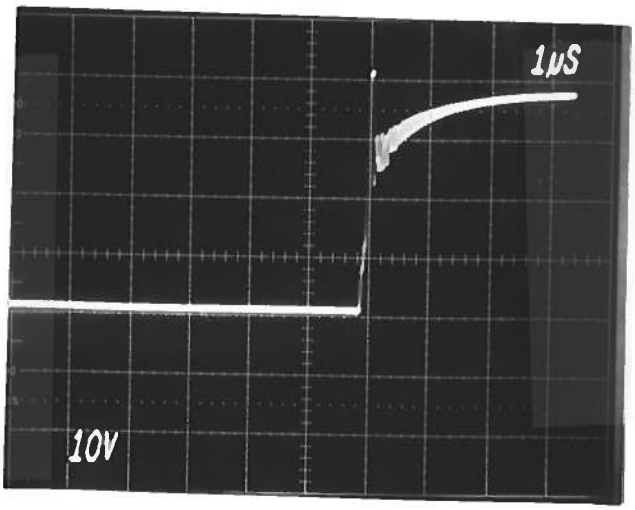
f) Jitter, stability:

g) Prime power:

(C) AS (B) BUT 5 µS/DIV




(D) AS (C) BUT 1 µS/DIV (RISE TIME)




(E) AS (D) BUT FALL TIME

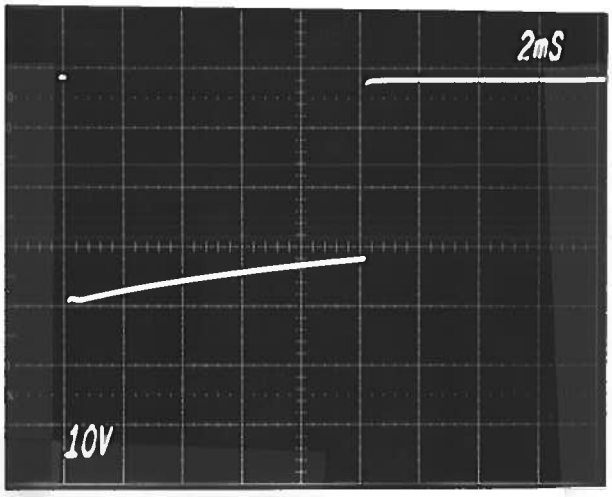
# PULSE GENERATOR

## PERFORMANCE CHECK

Model:

S.N.: 6055 cont

Date:




a) Output signal amplitude:

b) Pulse width:

c) Rise time:

d) Fall time:

e) PRF:

f) Jitter, stability:

g) Prime power:

@ $R_L$ = 0.2 Ω WIDE PULSE DROOP TEST. DROOP IS HIGH BECAUSE LAB PS COULD SUPPLY ONLY 60 AMP. SINCE INTERNAL BYPASS CAP OF PULSE-PAC IS ONLY 50,000 uFD, A 200 AMP LAB POWER SUPPLY SHOULD BE USED FOR VERY WIDE PULSES REQUIRING LOW DROOP.

ADDITIONAL NOTES

WHEN DRIVING A LASER DIODE LOAD, PLACE A RESISTOR IN SERIES WITH THE DIODE TO PROVIDE A TOTAL LOAD VOLTAGE OF ABOUT 10 VOLTS. THE RESISTOR WILL SWAMP THE HIGHLY NON LINEAR NATURE OF THE DIODE.