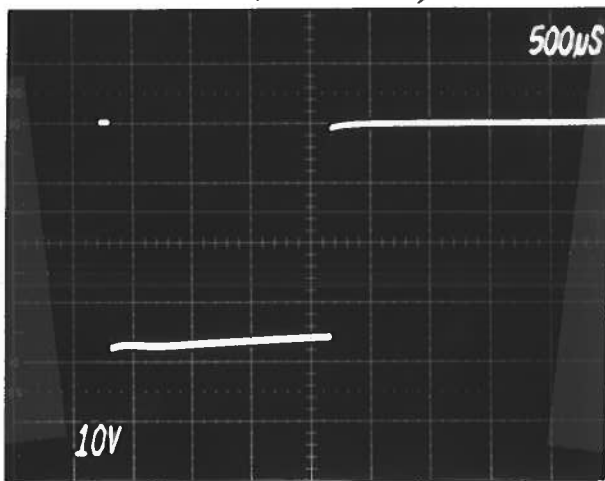


PULSE GENERATOR
PERFORMANCE CHECK

Model: *AVO-3C-C-N-M*

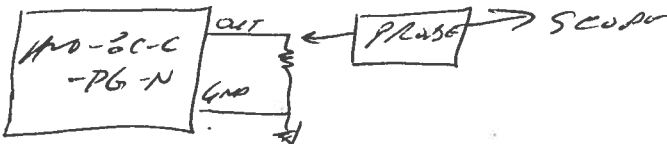
S.N.: *6045*

Date: *OCT 31*

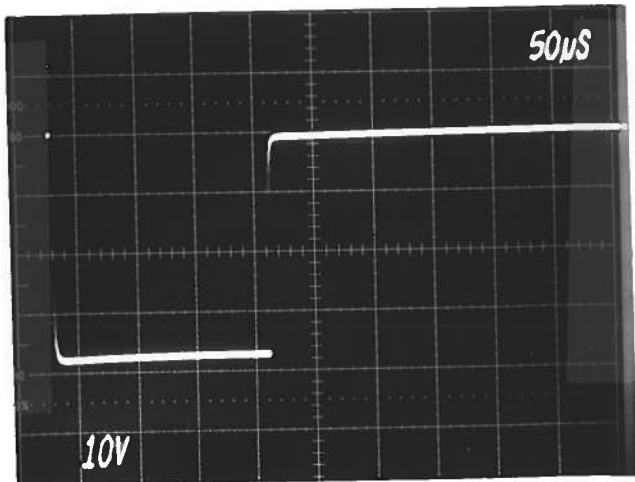


- a) Output signal amplitude:
*0 TO -40 VOLTS TO **
- b) Pulse width:
R_L ≥ 0.2 OHMS (200 AMPS MAX)
2US TO 20 MS (+DC)
- c) Rise time:
≤ 1 US
- d) Fall time:
≤ 1 US

Ⓐ *R_L = 0.2 Ω - 50 AMPS/DIV*



- e) PRF: *0.1 HZ TO 1 KHZ*
- f) Jitter, stability:
OK



- g) Prime power:
a) *120/240 VOLTS, 50/100A*
b) *0 TO -40 VOLTS, 100 AMP*
MAX POWER 5.100A
- h) MAX DUTY CYCLE:
100% (BUT I NOT TO EXCEED 100 AMPS)
** MAX AVERAGE CURRENT 100 AMPS*

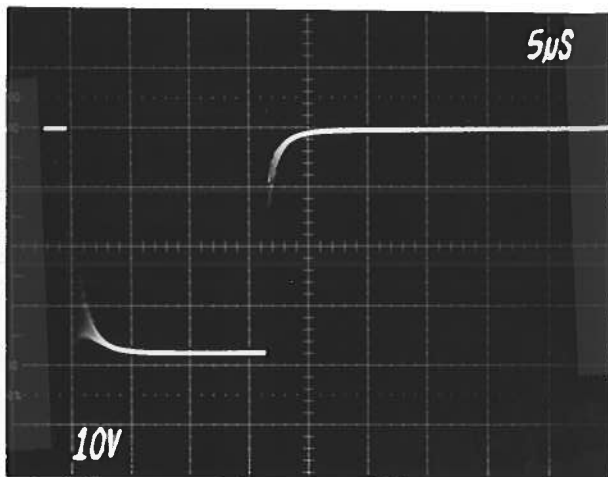
Ⓑ AS Ⓐ BUT 50US/DIV

PULSE GENERATOR
PERFORMANCE CHECK

Model:

S.N.: 6045 CONT

Date:



a) Output signal amplitude:

b) Pulse width:

c) Rise time:

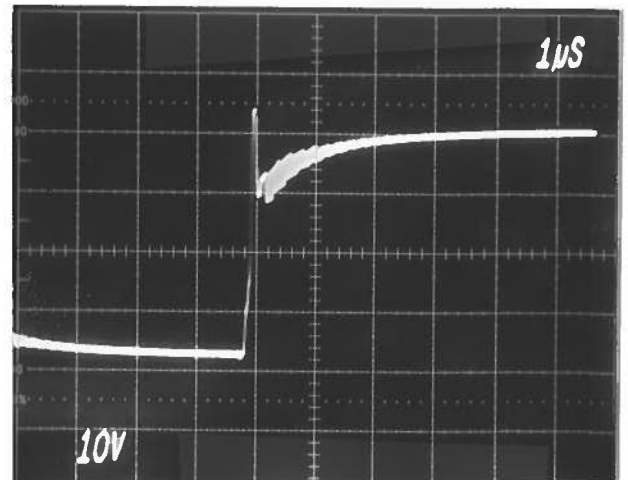
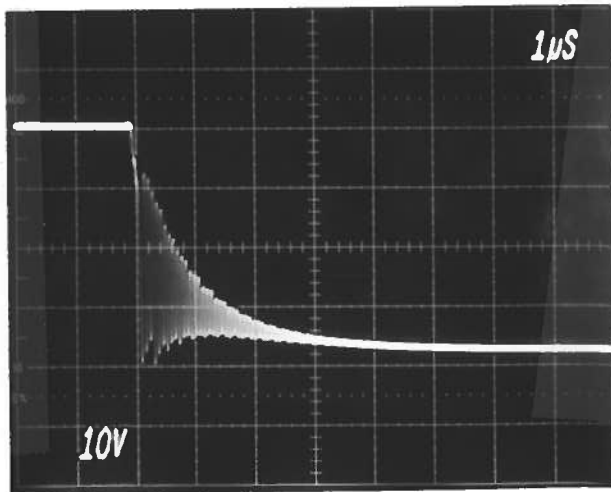
d) Fall time:

e) PRF:

f) Jitter, stability:

g) Prime power:

© AS ① BUT 5 µS/DIV
✓



① AS ① BUT 1 µS/DIV
(RISE TIME)

② AS ② BUT
FALL TIME

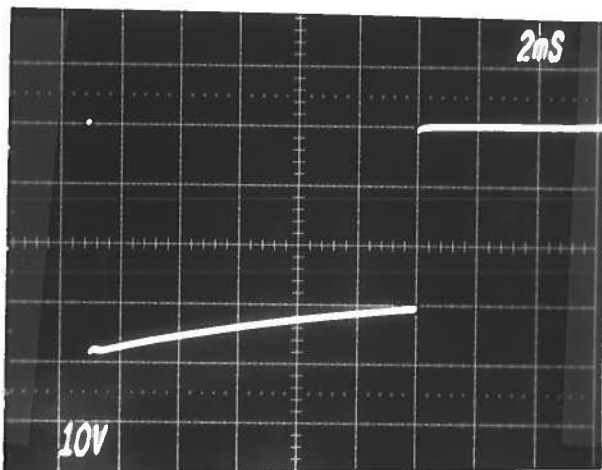
PULSE GENERATOR

PERFORMANCE CHECK

Model:

S.N.: 6045 cont.

Date:



- a) Output signal amplitude:
- b) Pulse width:
- c) Rise time:
- d) Fall time:
- e) PRF:
- f) Jitter, stability:
- g) Prime power:

① $R_L = 0.2 \Omega$ WIDE PULSE DROOP TEST. DROOP IS HIGH BECAUSE:
① LAB PS COULD SUPPLY ONLY 60 AMP. SINCE INTERNAL BYPASS CAP OF AND-OC-C IS ONLY 90,000 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 VOLT. THE RESISTOR WILL SWAMP THE HIGHLY NON LINEAR NATURE OF THE DIODE.