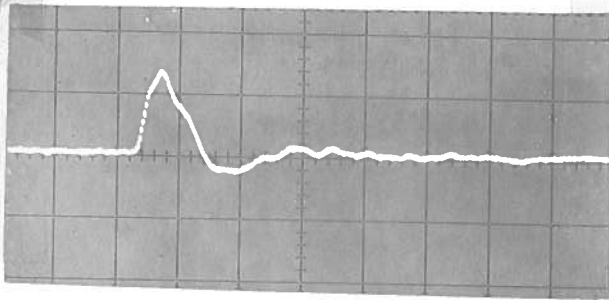


PULSE GENERATOR  
PERFORMANCE CHECK

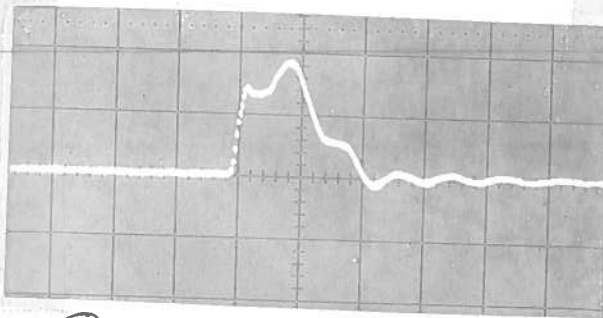
Model: AVO-3A-W1-C

S.N.: 1728

Date: APRIL 17 84

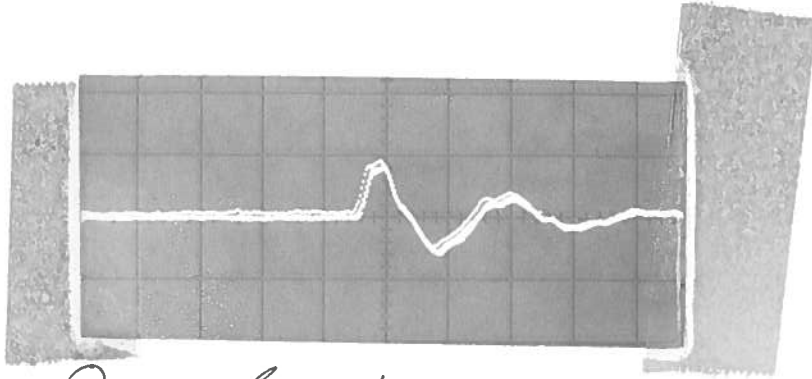


(A)  $R_L = 5.1 \Omega$   
 $C_W = 0 \text{ pfd}$   
 5 nsec/DIV  
 100 VOLTS/DIV  
 $I_{PEAK} \approx 26$   
 $PW \approx 2 \text{ nsec}$



(B)  $R_L = 5.1 \Omega$   
 $C_W = 1000 \text{ pfd}$   
 10 nsec/DIV  
 100 VOLTS/DIV  
 $I_{PEAK} = 30 \text{ AMPS}$   
 $PW \approx 12 \text{ nsec}$

- a) Output signal amplitude:  
+20 TO +75 AMPS
- b) Pulse width:  
2 TO 10 nsec.
- c) Rise time:  
NA
- d) Fall time:  
NA
- e) PRF:  
0 TO 20 KHz ( $C_W = 0 \text{ pfd}$ )  
0 TO 5 KHz ( $C_W = 1000 \text{ pfd}$ )
- f) Jitter, stability:  
OK
- g) Prime power:  
110/220 V/50-60 Hz.



(c)

$$R_L = 1.0 \Omega$$

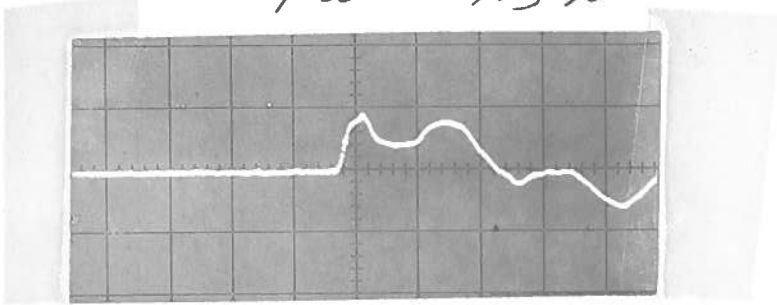
$$C_W = 0 \text{ pfd}$$

$$5 \text{ nSEC/DIV}$$

$$100 \text{ VOLTS/DIV}$$

$$I_{\text{PEAK}} \approx 80 \text{ AMPS}$$

$$PW \approx 1.5 \text{ nSEC}$$



(d)

$$R_L = 1.0 \Omega$$

$$C_W = 1000 \text{ pfd}$$

$$5 \text{ nSEC/DIV}$$

$$100 \text{ VOLTS/DIV}$$

$$I_{\text{PEAK}} \approx 70 \text{ AMPS}$$

$$PW \approx 10 \text{ nSEC}$$