

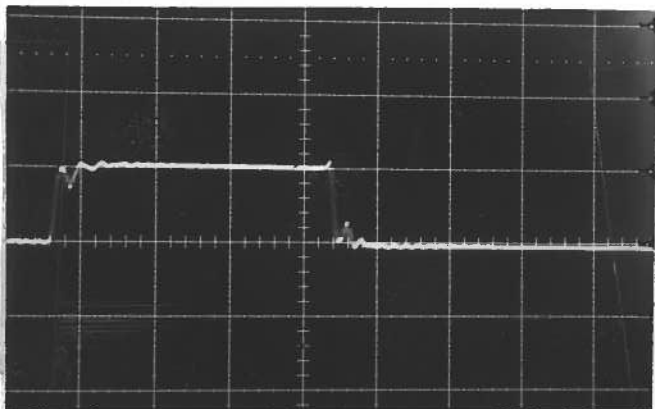
PULSE GENERATOR

PERFORMANCE CHECK

Model: *AV-107-PS*

S.N.: *1469*

Date: *SEPT 27 83*



- a) Output signal amplitude:  
*0 TO +2 AMPS*
- b) Pulse width: *(120 V MAX)*  
*150 TO 600 NSEC.*

c) Rise time:  
*≤ 50 NSEC*

d) Fall time:  
*≤ 50 NSEC.*

e) PRF: *5% DUTY*  
*CYCLE (0 TO 100 KHZ)*

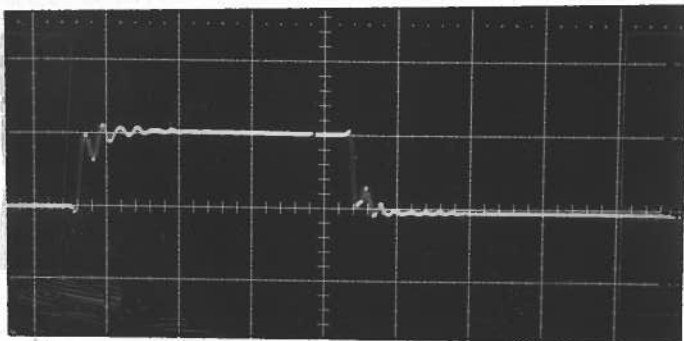
f) Jitter, stability:

*OK*

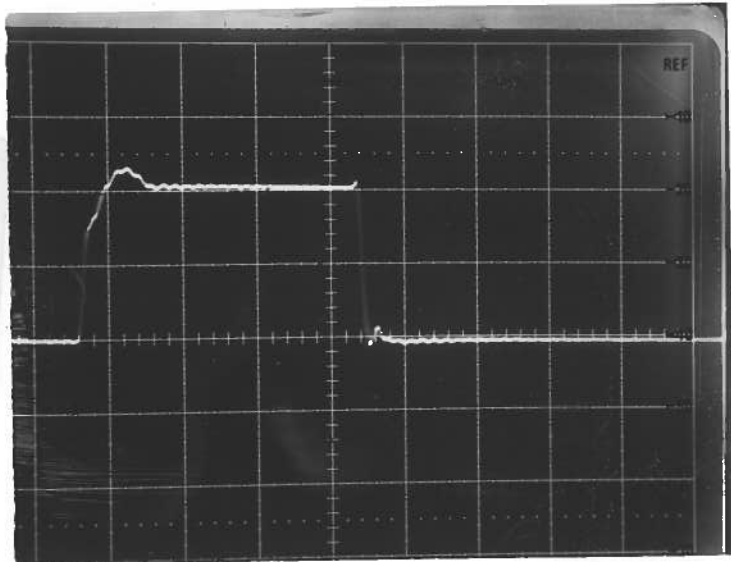
g) Prime power:

*110 / 220 V,  
50 - 60 KHZ.*

① *75 V ZENER LOAD + 5 OHM*  
*100 NSEC/DIV* *SERIES*  
*1.0 AMP/DIV* *RESISTOR*  
*4.0 KHZ*



② *AS ① BUT 75 VOLT*  
*ZENER SHORTED OUT.*



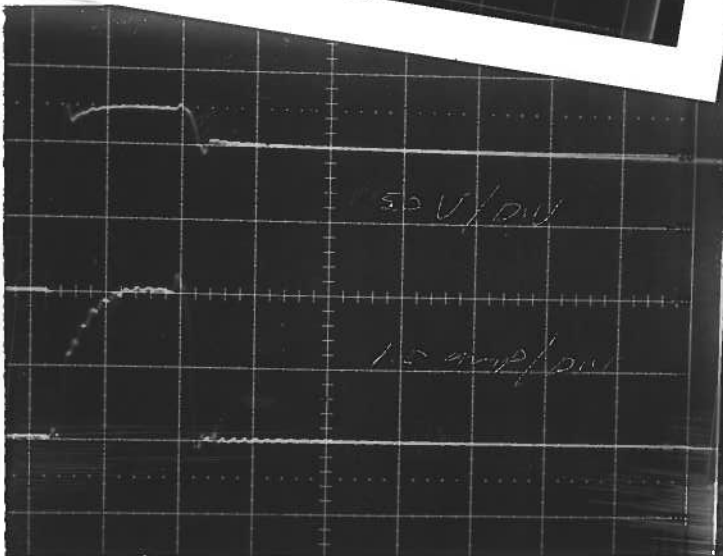
③ AS ① BUT  
 OUTPUT INCREASED  
 TO 2.0 AMPS.



④ 110V ZENER LOAD  
 + 5 OHM SERIES  
 RESISTOR

TOP TRACE TOTAL  
 LOAD VOLTAGE,  
 50 V/DIV

BOTTOM TRACE  
 LOAD CURRENT,  
 1.0 AMP/DIV  
 100 NS/DIV



⑤ AS ④ BUT  
 2 AMP LOAD  
 VOLTAGE.