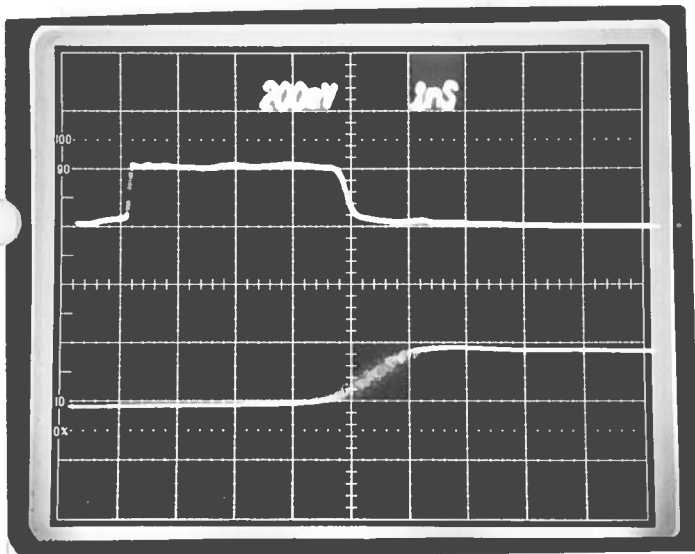


PULSE GENERATOR  
PERFORMANCE CHECK

Model: *APD-25-P-15-CA*

S.N.: *7642*

Date: *APR. 26/96*



- a) Output signal amplitude:  
*0 TO +2 VOLTS*
- b) Pulse width:  
*0.2 TO 4.0 NS*
- c) Rise time:  
*1 NS/DIV ≤ 40 PS*
- d) Fall time:  
*≤ 135 PS*
- e) PRF:  
*50 PS/DIV 0 TO 1.0 MHz*
- f) Jitter, stability:  
*OK*
- g) Prime power:  
*120/240 V*  
*50-60 Hz*

*20 db ATTEN  
∴ 2 VOLTS/DIV  
PRF = 1.0 MHz*

$$T_{RT} = \sqrt{T_{R25}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$

$$\approx 50 \text{ PS (20 - 80\%)}$$

$$T_{SCOPE} = 25 \text{ PS}$$

*18 GHz ATTEN + CABLES*

*∴ CONCL THAT  $T_{R25} \leq 40 \text{ PS}$*