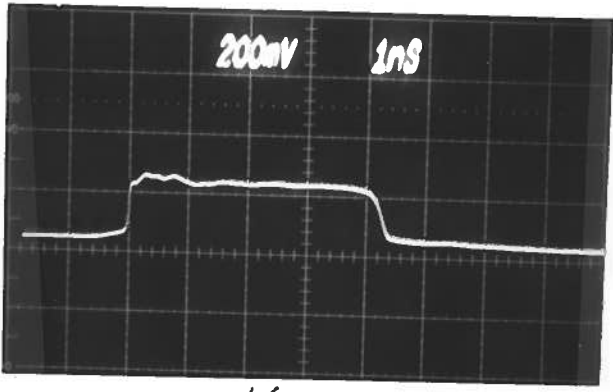


PULSE GENERATOR  
PERFORMANCE CHECK

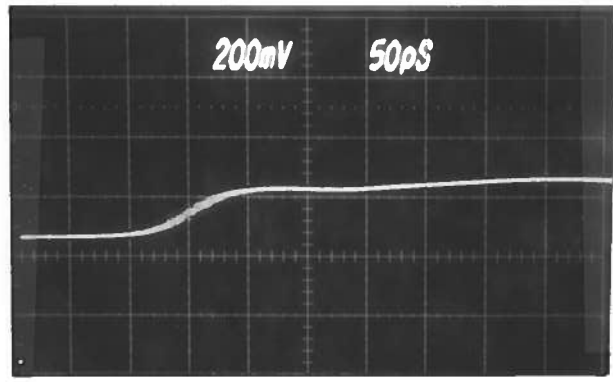
Model: *AP-25P-C*

S.N.: *6268*

Date: *MAY 19 1992*



① *20 dB ATTEN  
∴ 2.0 V/DIV  
PRF = 1.0 MHz*



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

② *AS OUT 50 PS/DIV (RISE TIME)*  

$$T_{RT} = \sqrt{T_{RES}^2 + T_{SLOPE}^2 + T_{ATTEN}^2}$$

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

$$T_{SLOPE} = 25 \text{ PSEC}$$
*12 GHz ATTEN + CABLE*  

$$\therefore \text{CONC THAT } T_{RES} \leq 40 \text{ ps}$$