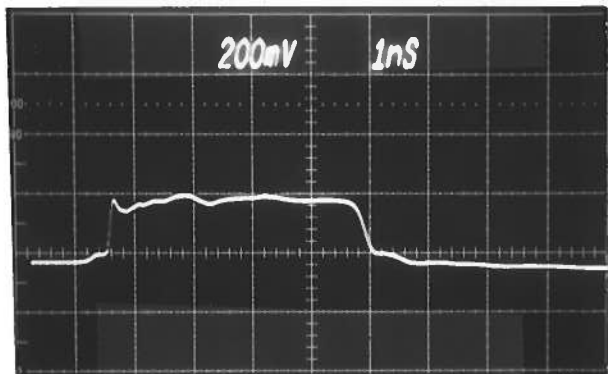


PULSE GENERATOR  
PERFORMANCE CHECK

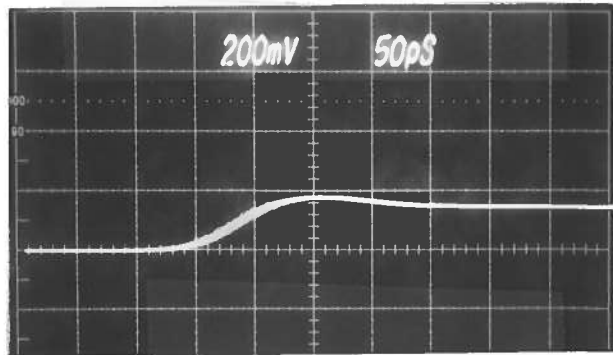
Model: *AVP-25-P-05-ECL*

S.N.: *6121*

Date: *Nov 29/91*



A) 20 dB ATTEN  
∴ 2 VOLTS / DIV  
PRF = 1.0 MHz



B) AS A) BUT 50 PS / DIV  
(RISE TIME)

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

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

$T_{SCOPE} = 25 \text{ PS}$   
18 GHz ATTEN + CABLES

- a) Output signal amplitude:  
*0 TO +2 VOLTS*
- b) Pulse width:  
*0.2 TO 4 NS*
- c) Rise time:  
*≤ 40 PS*
- d) Fall time:  
*≤ 135 PS*
- e) PRF:  
*0 TO 1.0 mA*
- f) Jitter, stability:  
*OK*
- g) Prime power:  
*+ 15 VOLTS*  
*300 mA (max)*

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