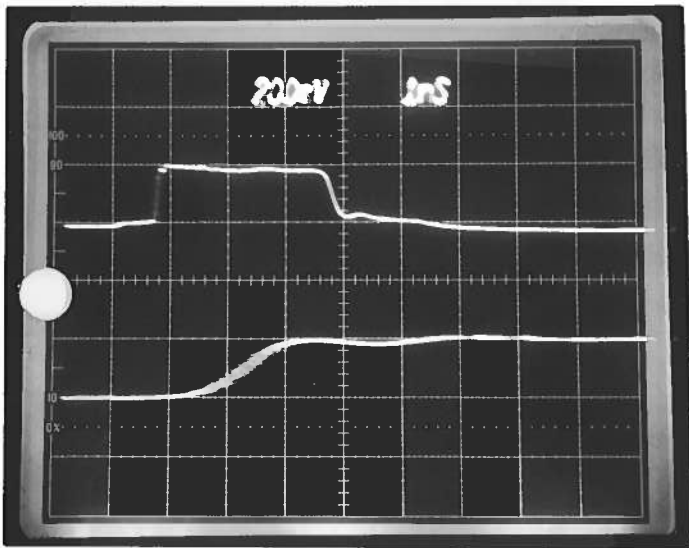


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 7945

Date: MAY 20 1997



- 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:  
✓ + 15 VOLTS  
400 mA (max.)

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  $T_{R25} \leq 40 \text{ PS}$