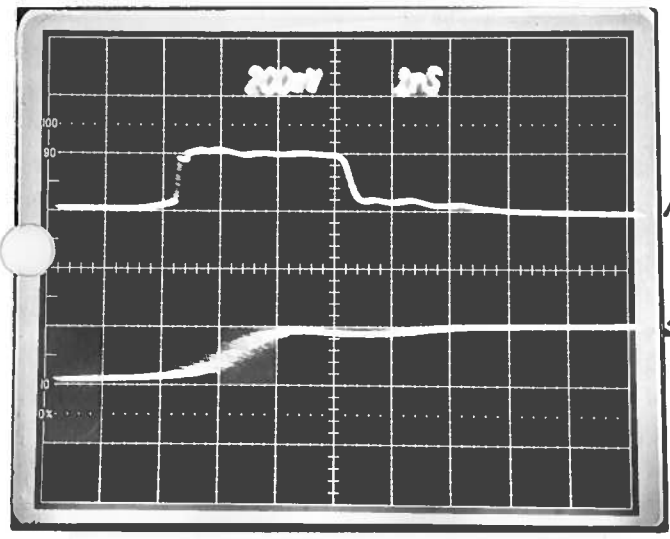


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 8383

Date: FEB 2 1998



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