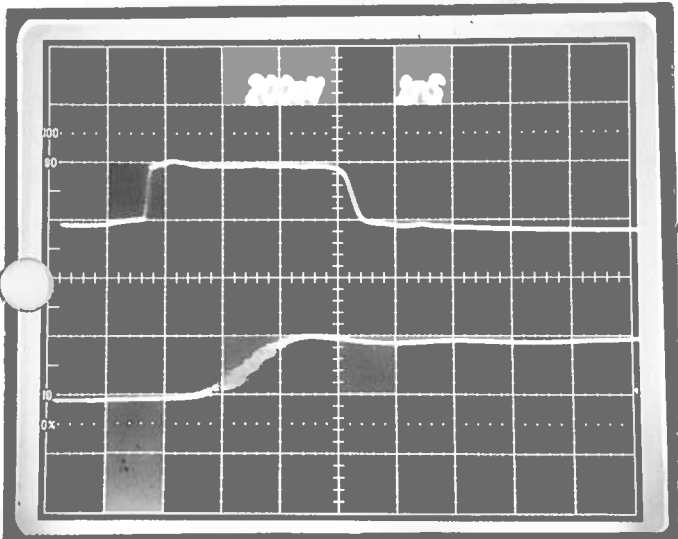


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 7942

Date: MAR 3 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 $T_{R25} \leq 40 \text{ PS}$