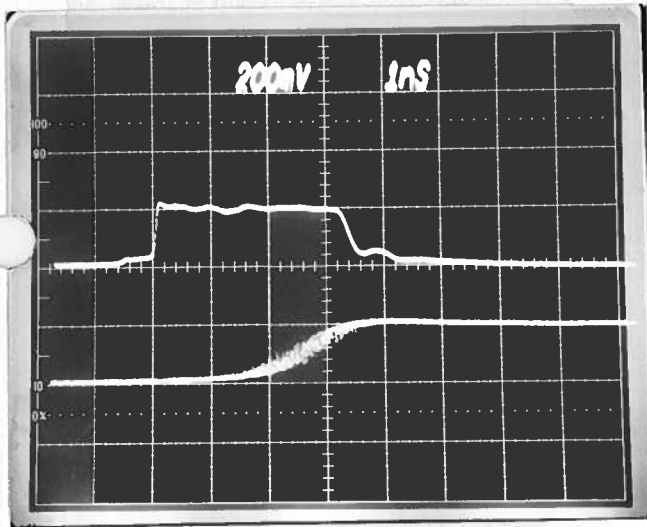


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 8548

Date: NOV 9 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)

1NS/DIV
50 PS/DIV

20 dB ATTEN
 \therefore 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
 \therefore CONCL THAT $T_{R25} \leq 40$ PS