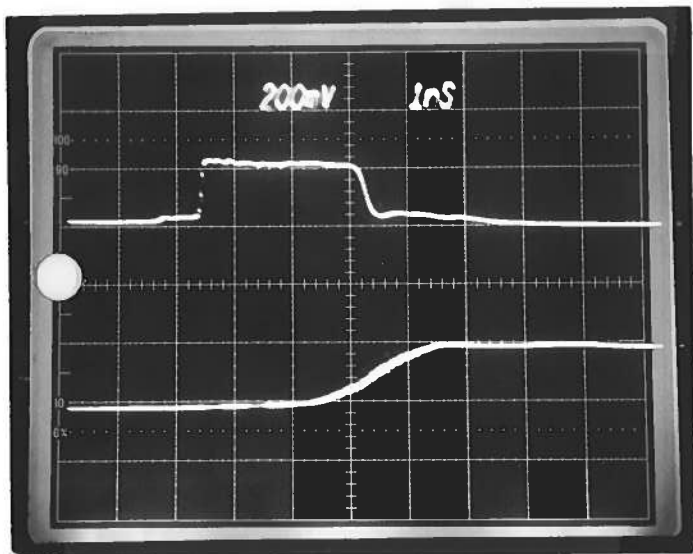


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 7796

Date: NOV 11 1996



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