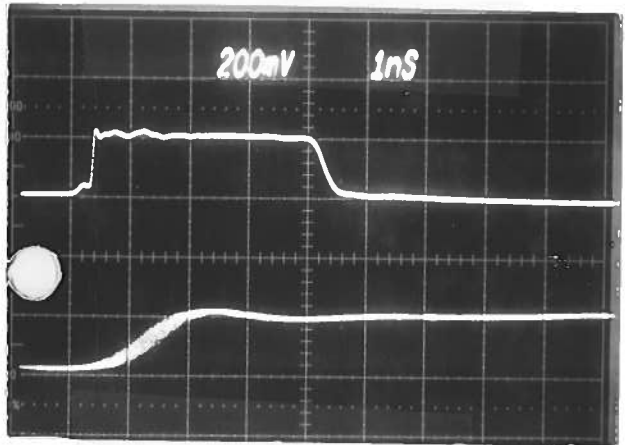


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVP-2S-P-0S-ECL

S.N.: 6979

Date: APR 5/94



- 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

20 DB ATTEN
∴ 2 VOLTS / DIV
PRF = 1.0 MHz

- g) Prime power:
+ 15 VOLTS
400 mA (max)

$$T_{RT} = \sqrt{T_{R25}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$

$$\approx 50 \text{ PS (20-80\%)}$$

$T_{SCOPE} = 25 \text{ PS}$
18 GHz ATTEN + CABLES

∴ CONCL THAT $T_{R25} \leq 40 \text{ PS}$