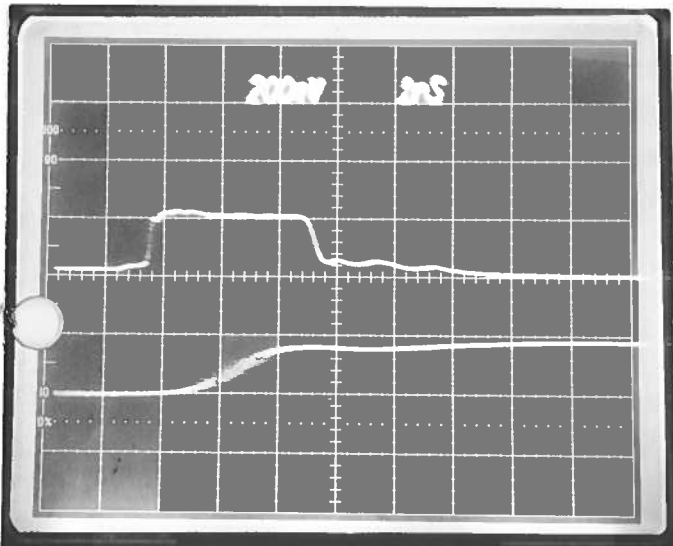


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-25-P-0S-ECL

S.N.: 7944

Date: MAY 5 1997



1 NS/DIV

50 PS/DIV

- 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

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

≈ 50 PS (20-80%)

$T_{SCOPE} = 25 PS$

18 GHz ATTEN + CABLES

∴ CONCL THAT  $T_{R25} \leq 40 PS$