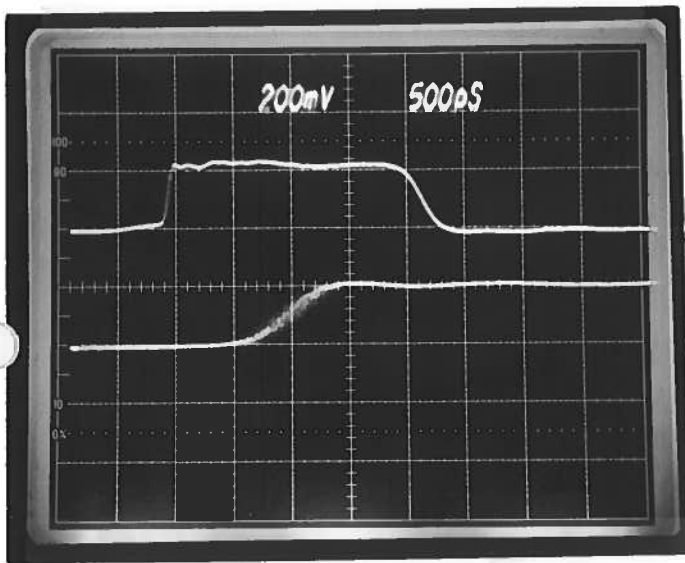


PULSE GENERATOR  
PERFORMANCE CHECK

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

S.N.: 7714

Date: MAY 29, 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

$$T_{RT} = \sqrt{T_{R2S}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$

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

$T_{SCOPE} = 25 \text{ PS}$

18 GHz ATTEN + CABLES

∴ CONCL THAT  $T_{R2S} \leq 40 \text{ PS}$