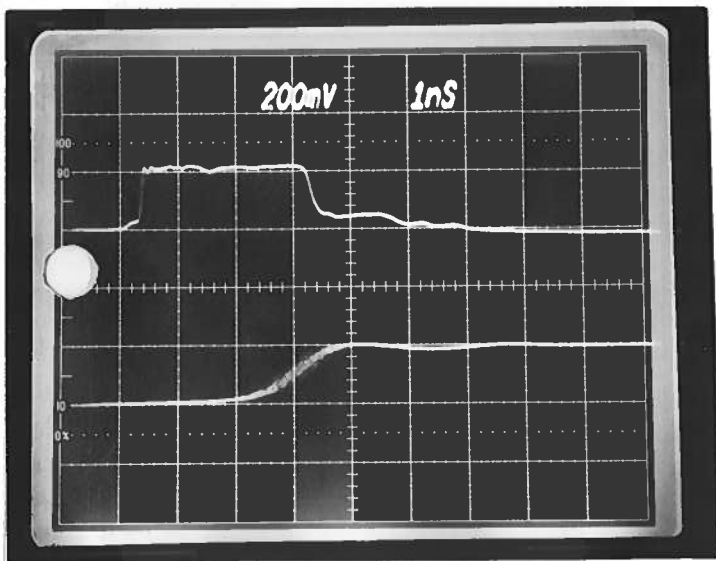


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 7117

Date: NOV. 4/94



- a) Output signal amplitude:  
0 TO +2 VOLTS
- b) Pulse width:  
0.2 TO 4.0 NS
- c) Rise time:  
 $\leq 40$  PS
- d) Fall time:  
 $\leq 135$  PS
- e) PRF:  
0 TO 1.0 MHz
- f) Jitter, stability:  
OK
- g) Prime power:  
+15 VOLTS  
400 mA (MAX)

20 dB ATTEN

$\therefore 2$  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

$\therefore$  CONCL THAT  $T_{R2S} \leq 40$  PS