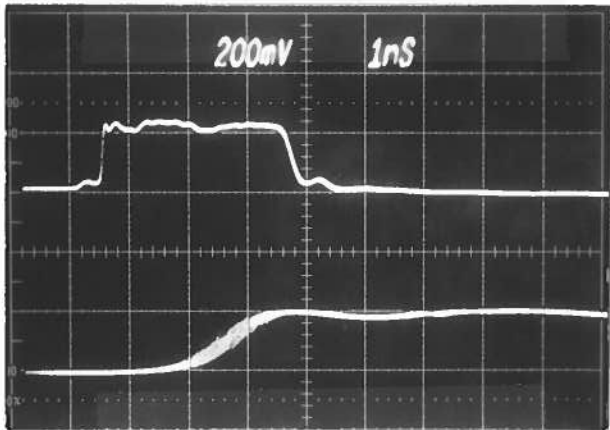


PULSE GENERATOR  
PERFORMANCE CHECK

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

S.N.: 6445

Date: SEPT 1/92



- a) Output signal amplitude:  
0 TO + 2 VOLTS.
- b) Pulse width:  
0.2 TO 4.0 NS
- c) Rise time:  
1 NS/DIV  $\leq 40$  PS
- d) Fall time:  
50 PS/DIV  $\leq 135$  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

$\therefore$  CONC THAT  $T_{R2S} \leq 40 \text{ PS}$