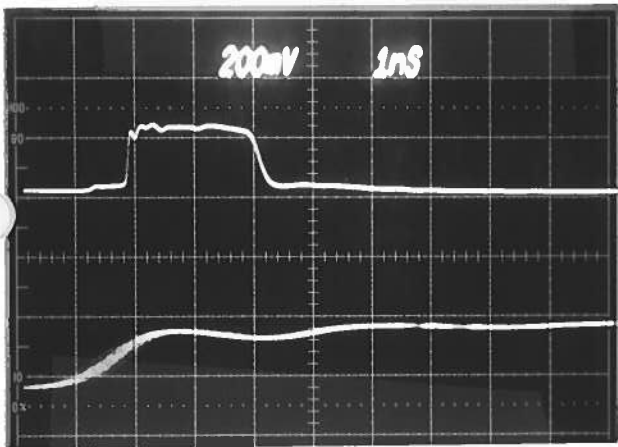


PULSE GENERATOR  
PERFORMANCE CHECK

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

S.N.: 688/

Date: JAN. 6/94



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

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

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

≈ 50 PS (20-80%)

$T_{SCOPE} = 25 PS$

18 GHz ATTEN + CABLES

∴ CONCL THAT  $T_{R2S} \leq 40 PS$