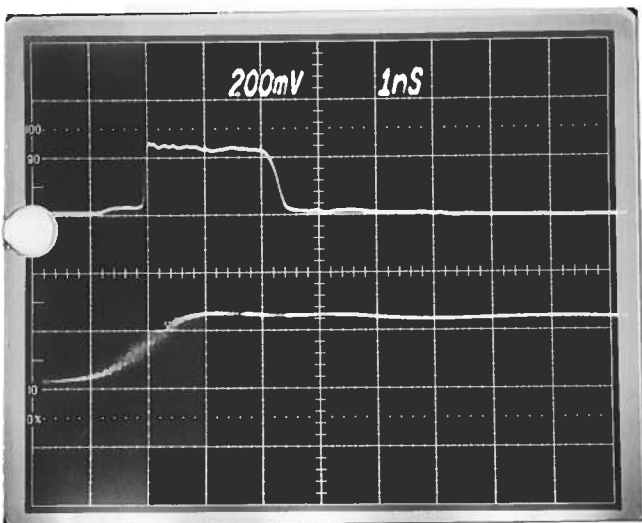


PULSE GENERATOR
PERFORMANCE CHECK

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

S.N.: 3054

Date: SEPT 19/94



- 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
 $\therefore 2$ VOLTS/DIV
PRF = 1.0 MHZ

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

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

$T_{SCOPE} = 25$ PS
18 GHz ATTEN + CABLES

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