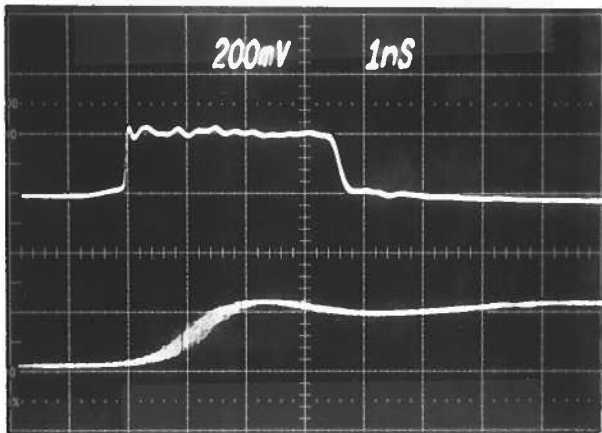


PULSE GENERATOR
PERFORMANCE CHECK

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

S.N.: 6444

Date: SEPT 1 1982



a) Output signal amplitude:
0 TO + 2 VOLTS

b) Pulse width:
0.2 TO 4.0 NS

c) Rise time:
1 NS/DIV ≤ 40 PS

d) Fall time:
50 PS/DIV ≤ 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 $T_{R2S} \leq 40 \text{ PS}$