

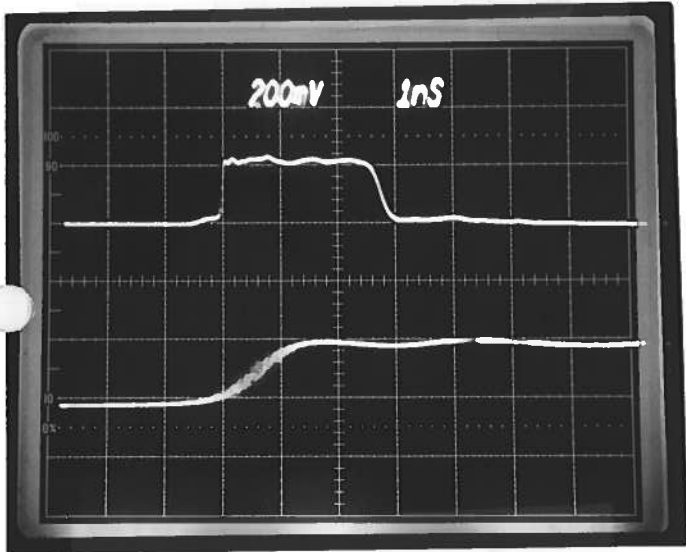
PULSE GENERATOR

PERFORMANCE CHECK

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

S.N.: 7702

Date: MAY 21, 1996



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