

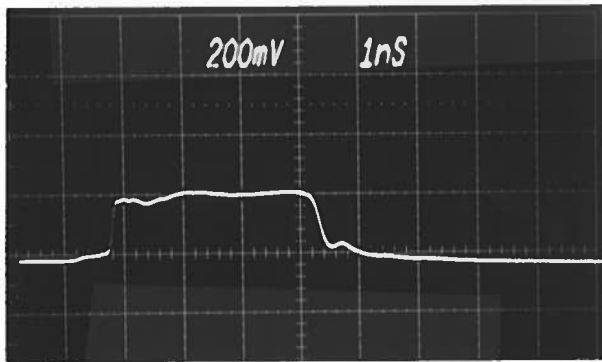
PULSE GENERATOR

PERFORMANCE CHECK

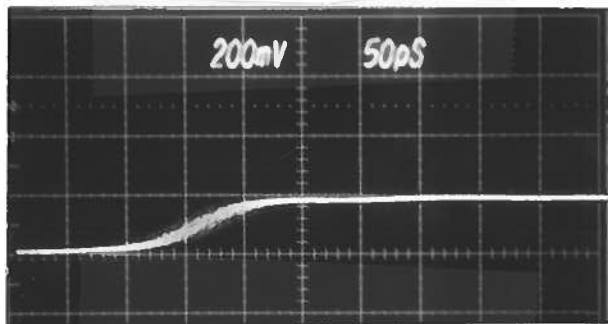
Model: AVP-2S.-P-OS-ECL

S.N.: 6120

Date: NOV 29/91



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



B) AS A) BUT 50 PS / DIV
(RISE TIME)

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

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

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

- a) Output signal amplitude:
0 TO + 2 VOLTS
- b) Pulse width:
0.2 TO 4 NS
- c) Rise time:
 $\leq 40 \text{ PS}$
- d) Fall time:
 $\leq 135 \text{ PS}$
- e) PRF:
0 TO 1.0 mA
- f) Jitter, stability:
OK
- g) Prime power:
+ 15 VOLTS
300 mA (max)

∴ CONCL THAT
 $T_{RS} \leq 40 \text{ PS}$