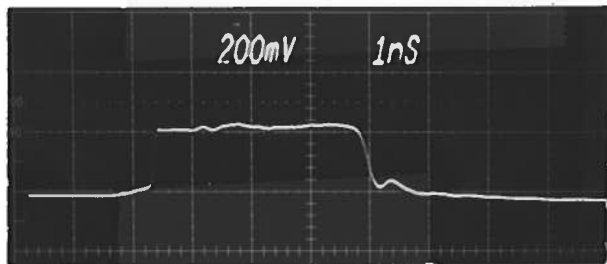


PULSE GENERATOR
PERFORMANCE CHECK

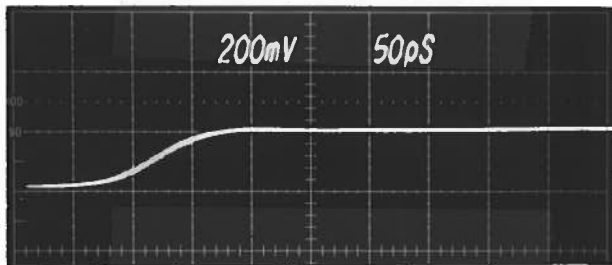
Model: AVP-2S-P-0S-ECL

S.N.: 6125

Date: DEC 16/91



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



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

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

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

$$T_{SCOPE} = 25 \text{ PS}$$

18 GHz ATTEN + CABLES

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

[Handwritten signature]

∴ CONCL THAT
 $T_{R2S} \leq 40 \text{ PS}$