

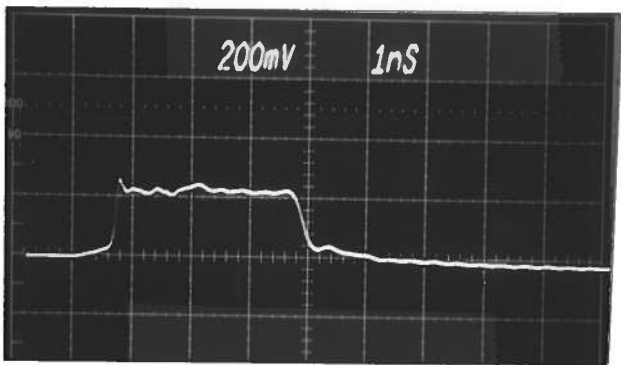
PULSE GENERATOR

PERFORMANCE CHECK

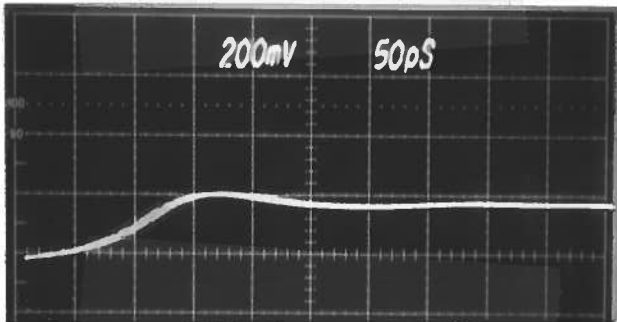
Model: AVP - 2S - P - OS - ECL

S.N.: 6122.

Date: Nov 29/91



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



- 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)

B) AS A) BUT 50 PS / 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

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