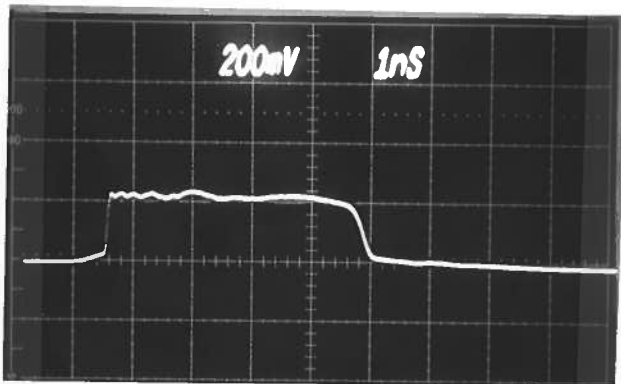


PULSE GENERATOR
PERFORMANCE CHECK

Model: AMP-25-P-05-ECL

S.N.: 6276

Date: MAY 15 1992



a) Output signal amplitude:
0 TO + 2 VOLTS

b) Pulse width:
0.2 TO 4.0 NS

c) Rise time:
≤ 40 PS

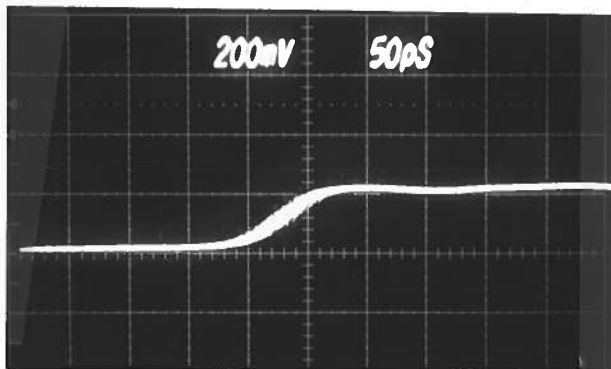
d) Fall time:
≤ 135 PS

e) PRF:
0 TO 1.0 MHz

f) Jitter, stability:
OK

g) Prime power:
+15 VOLTS
400 mA (max)

ⓐ 20 dB ATTEN
∴ 20 VOLTS/DIV
PRF = 1.0 MHz



ⓑ 1A7 ⓐ BUT 50 PS/DIV (RISE TIME)

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

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

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

18 GHz ATTEN + CAPSLED

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