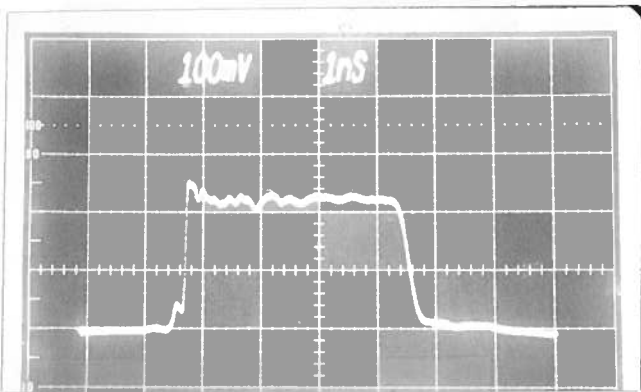


PULSE GENERATOR  
PERFORMANCE CHECK

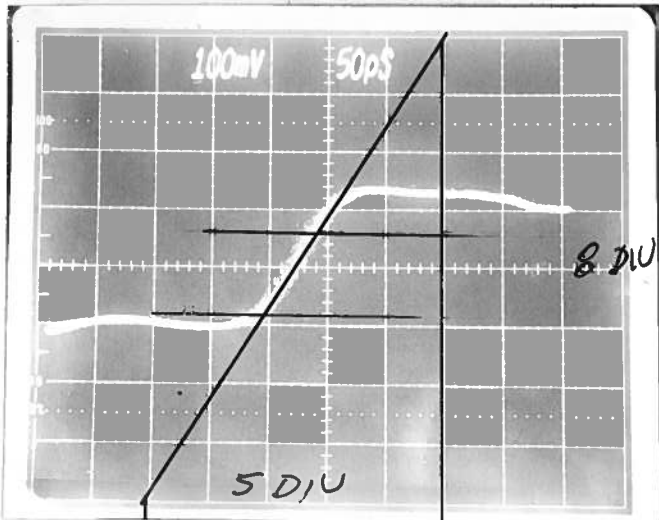
Model: AMP-25-PS-P

S.N.: 10864

Date: MAY 4 04



20dB ATTN: 1 V/DIV



50 PS/DIV

PRF = 100MHz

- a) Output signal amplitude:  
0 to + 2V (7050Ω)
- b) Pulse width:  
0.2 to 4.0 ns
- c) Rise time:  
40 ps (20-80%)
- d) Fall time:  
≤ 135 ps.
- e) PRF:  
0 to 1.0 MHz
- f) Jitter, stability: OK
- g) Prime power: 100/240V  
50-60 Hz.

20 dB ATTN  
∴ 2 VOLTS/DIV  
PRF = 1.0 MHz

$$T_{RT} = \sqrt{T_{R25}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$

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

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

18 GHz ATTN + CABLES

∴ CONCL THAT  $T_{R25} \leq 40 \text{ PS}$