

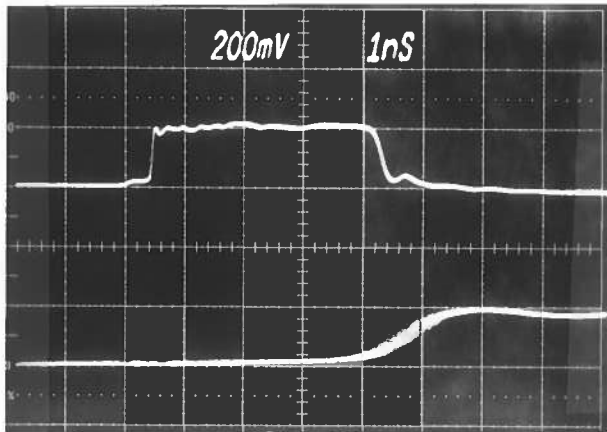
PULSE GENERATOR

PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 6387

Date: AUG 4/92



a) Output signal amplitude:
0 TO +2 VOLTS

b) Pulse width:
1 NS/DIV 0.2 TO 4.0 NS

c) Rise time:
50 PS/DIV ≤ 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
∴ 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 ATTEN + CABLES

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