

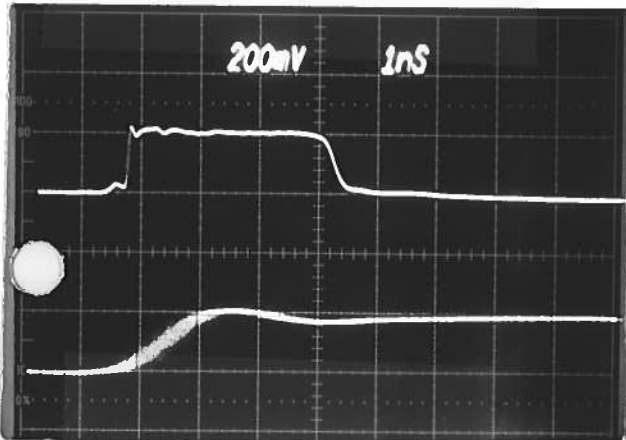
PULSE GENERATOR

PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 6982

Date: APRIL 29/94



a) Output signal amplitude:

0 TO +2 VOLTS

b) Pulse width:

0.2 TO 4.0 NS

1 NS/DIV c) Rise time:

$\leq 40$  PS

50 PS/DIV d) Fall time:

$\leq 135$  PS

e) PRF:

0 TO 1.0 MHz

f) Jitter, stability:

OK

g) Prime power:

+ 15 VOLTS

400 mA (max)

20 db ATTEN

$\therefore 2$  VOLTS/DIV  
PRF = 1.0 MHz

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

$\approx 50$  PS (20-80%)

$T_{SCOPE} = 25$  PS

18 GHz ATTEN + CABLES

$\therefore$  CONCL THAT  $T_{R25} \leq 40$  PS