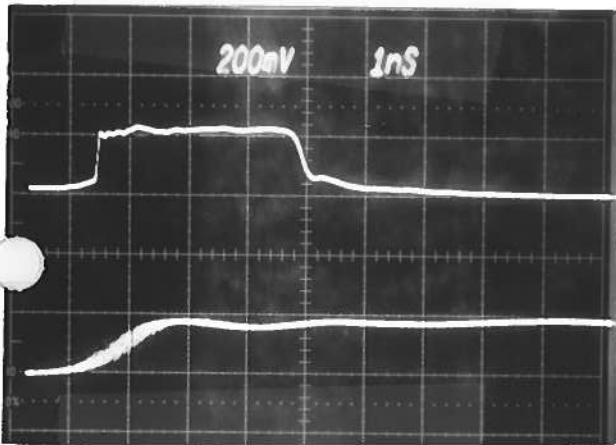


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-2S-P-05-ECL

S.N.: 7010

Date: JULY 25/94



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

∴ 2 VOLTS/DIV

PRF = 1.0 MHz

$$T_{RT} = \sqrt{T_{R2S}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$

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

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

18 GHz ATTEN + CABLES

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