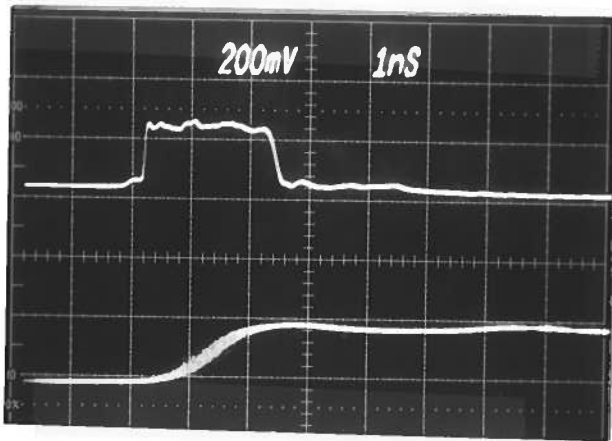


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-2S-P-0S-ECL

S.N.: 6441

Date: SEPT 1/92



a) Output signal amplitude:

0 TO +2 VOLTS

b) Pulse width:

1NS/DIV 0.2 TO 4.0 NS

c) Rise time:

50 PS/DIV  $\leq$  40 PS

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

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

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

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

18 GHz ATTEN + CABLES

$$\therefore \text{ CONC THAT } T_{R2S} \leq 40 \text{ PS}$$