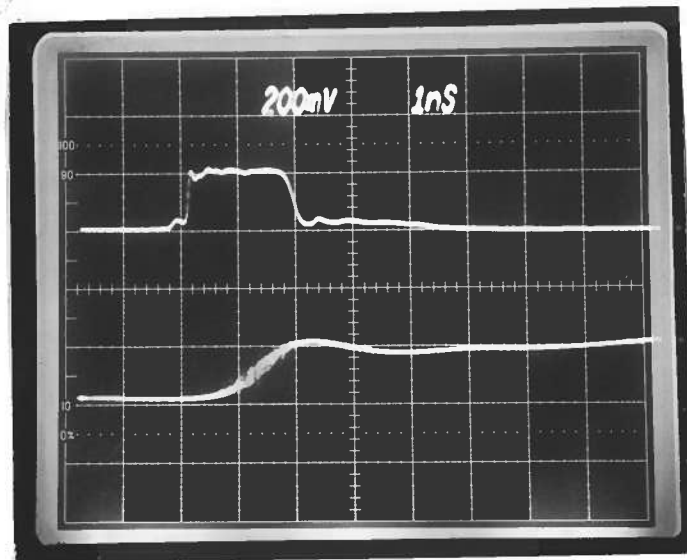


PULSE GENERATOR  
PERFORMANCE CHECK

Model: AVP-25-P-05-ECL

S.N.: 7477

Date: OCT. 25/95



a) Output signal amplitude:  
0 TO +2 VOLTS ✓

b) Pulse width:  
0.2 TO 4.0 NS ✓

c) Rise time:  
1 NS/DIV  
≤ 40 PS ✓

d) Fall time:  
50 PS/DIV  
≤ 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

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

≈ 50 PS (20-80%)

$T_{SCOPE} = 25$  PS

18 GHz ATTEN + CABLES

∴ CONC THAT  $T_{R25} \leq 40$  PS ✓