

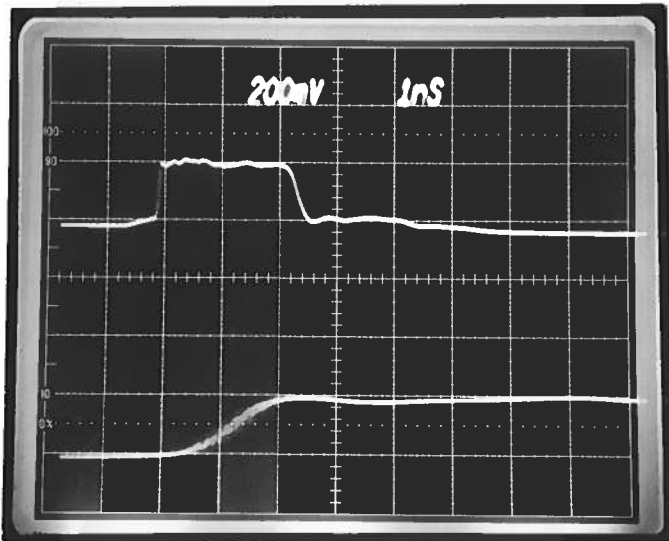
PULSE GENERATOR

PERFORMANCE CHECK

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

S.N.: 7715

Date: AUG 15 1996



a) Output signal amplitude:
0 TO +2 VOLTS

b) Pulse width:
0.2 TO 4.0 NS

c) Rise time:
/ NS/DIV ≤ 4.0 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

$\therefore 2$ VOLTS/DIV

PRF = 1.0 MHZ

$$T_{RT} = \sqrt{T_{R2S}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$
$$\approx 50 \text{ PS (20-80\%)}$$

$T_{SCOPE} = 25$ PS

18 GHz ATTEN + CABLES

\therefore CONCL THAT $T_{R2S} \leq 40$ PS