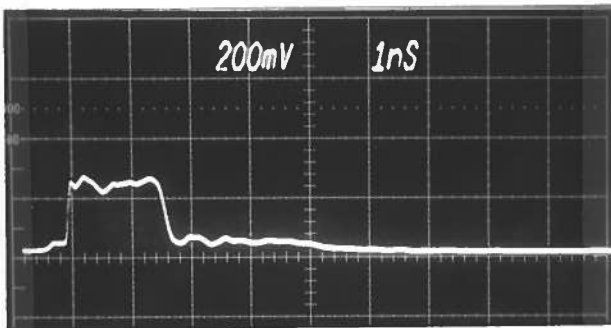


PULSE GENERATOR  
PERFORMANCE CHECK

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

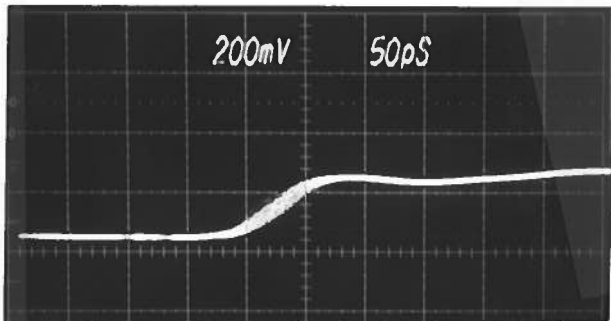
S.N.: 6197

Date: FEB 18/92



- a) Output signal amplitude:  
0 TO +2 VOLTS
- b) Pulse width:  
0.2 TO 4 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)

A) 20 db ATTEN  
∴ 2 VOLTS/DIV  
PRF = 1.0 MHz



B) AS A) BUT 50 PS/DIV

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

(RISE TIME)

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

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

18 GHz ATTEN + CABLES

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