

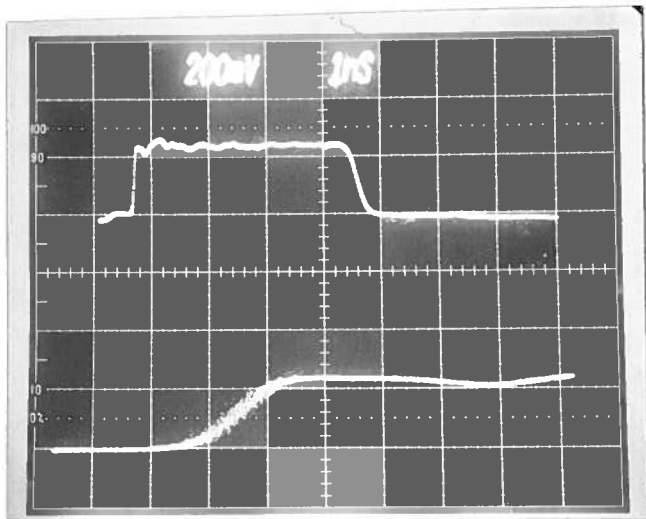
PULSE GENERATOR  
PERFORMANCE CHECK

Model: *MP-25-C-P-UILB*

S.N.: *10669*

Date: *SEPT 2 2003*

e:



a) Output signal amplitude:  
*0 TO +2V (TO 50V)*

b) Pulse width:  
*0.2 TO 4.0 NS*

*1.0 NS/DIV* Rise time:  
*≤ 40 ps*

d) Fall time:  
*≤ 35 ps*

e) PRF:  
*50 ps/DIV 0 TO 1.0 MHz*

f) Jitter, stability:  
*OK*

g) Prime power:  
*120/240V*  
*50-60 Hz*

*20 dB ATTEN*  
*∴ 2 VOLTS / DIV*  
*PRF = 1.0 MHz*

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

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

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

*18 GHz ATTEN + CABLES*

*∴ CONCL THAT  $T_{R25} \leq 40 \text{ PS}$*