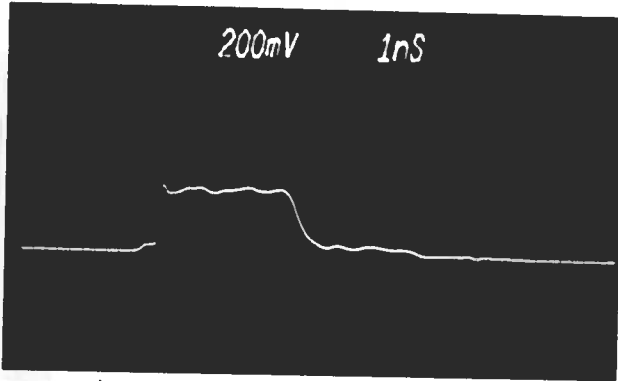


PULSE GENERATOR
PERFORMANCE CHECK

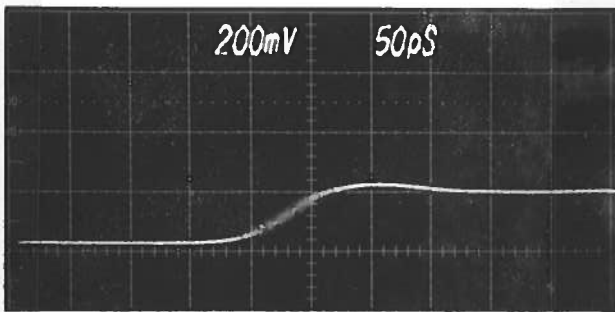
Model: *AMP-25-C-EN-CA-20*

S.N.: *3577*

Date: *MAR 31 87*



*A) P_{OUT}
20 dB ATTEN
2 VOLT/DIV
1.0 MHz*



*B) AS OUT
50 pSEC/DIV*

- a) Output signal amplitude:
0 TO ± 2 VOLT
- b) Pulse width:
0.2 TO 4.0 NSEC
- c) Rise time:
≤ 40 pSEC
- d) Fall time:
≤ 135 pSEC
- e) PRF:
0 TO 1.0 MHz
- f) Jitter, stability:
OK
- g) Prime power:
*120/240 V
50-66 MHz*

$$T_{A \text{ TOTAL}} = \sqrt{T_{RMP}^2 + T_{RSCRP}^2 + T_{RATTEN}^2}$$

$$= 50 \text{ pSEC (20-80\%)}$$

$$T_{RSCRP} = 28 \text{ pSEC}$$

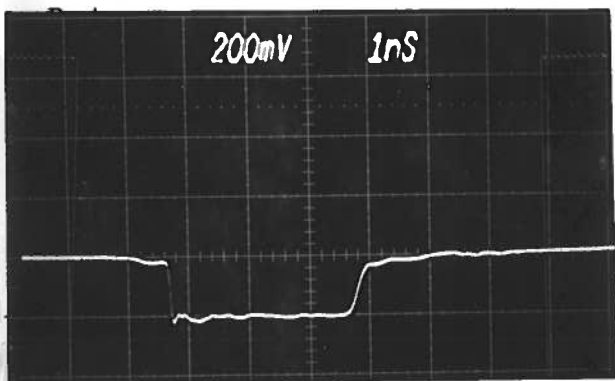
$$B.W. = 17 \text{ MHz}$$

*CONC:
T_{RMP} ≤ 40 pSEC*

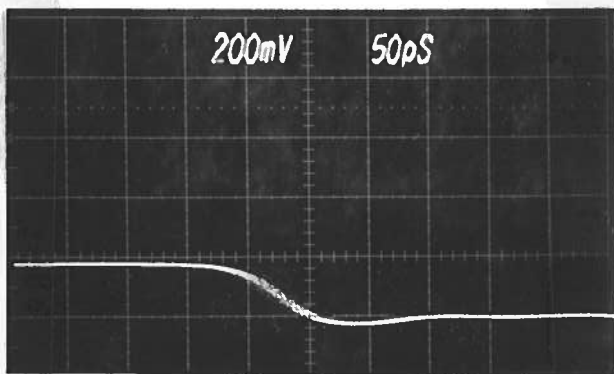
PULSE GENERATOR
PERFORMANCE CHECK

Model:

S.N.: 3577 CONT



c) N_{out}
20 dB ATTEN
 $\therefore 2$ VERTICAL/DIV
1.0 MHz



d) AS c) BUT
50 PSEC/DIV

$$T_{R\ total} = \sqrt{T_{R\ amp}^2 + T_{R\ scope}^2 + T_{R\ atten}^2}$$

$$= 50 \text{ PSEC (20-80 \%)}$$

$$T_{R\ scope} = 28 \text{ PSEC}$$

$$BW_{atten} = 12 \text{ GHz}$$

a) Output signal amplitude:

b) Pulse width:

c) Rise time:

d) Fall time:

e) PRF:

f) Jitter, stability:

g) Prime power:

cancel
 $T_{R\ amp} \approx 40 \text{ PSEC}$