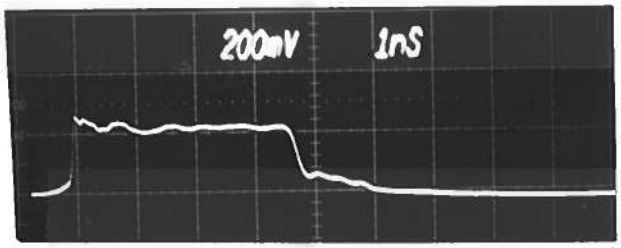
PULSE GENERATOR

PERFORMANCE CHECK

Model: MP-2C-C-N-PN-05-M

S.N.: 5201

Date: NOV 13 1989



Ⓐ POUT 20dB ATTEN
∴ 2 VOLTS/DIV
1.0 MHz

a) Output signal amplitude:
0 TO ±2 VOLTS.

b) Pulse width:
0.2 TO 4.0 NSEC

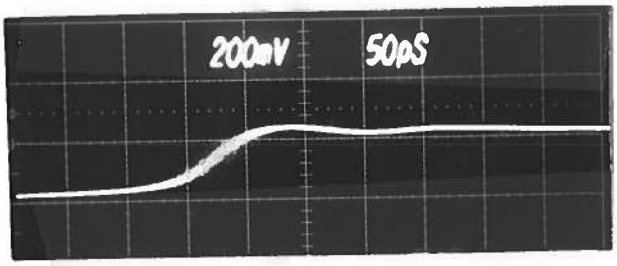
c) Rise time:
≤ 40 PSEC

d) Fall time:
≤ 135 PSEC.

e) PRF:
0 TO 1.0 MHz

f) Jitter, stability:
OK

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



Ⓑ AS Ⓐ BUT 50 PSEC/DIV

$T_{RT} = \sqrt{T_{RISE}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$ (RISE TIME) ≈ 50 PSEC (20-80%)

$T_{SCOPE} \approx 25$ PSEC

18 GHz ATTEN + CABLES

CONCL $T_{RISE} \leq 40$ PSEC.

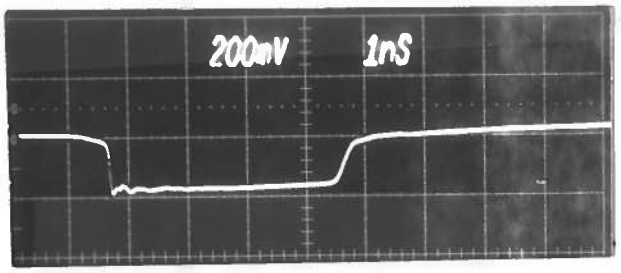
PULSE GENERATOR

PERFORMANCE CHECK

Model:

S.N.: 5201 CONT.

Date:



a) Output signal amplitude:

b) Pulse width:

c) Rise time:

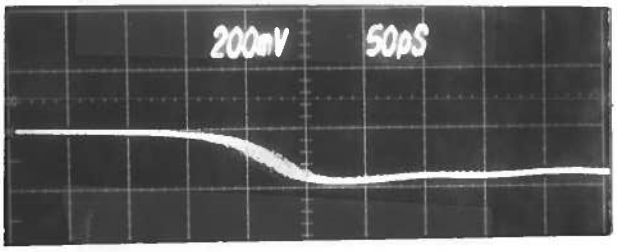
d) Fall time:

e) PRF:

f) Jitter, stability:

g) Prime power:

(D) N_{OUT} 2dB ATTEN
∴ 2 DOUBLES /DIV
1.0 MHz



(E) AS C BUT 50 PSEC/DIV

$$T_{RT} = \sqrt{T_{RISE\ TIME}^2 + T_{A\ SCOPE}^2 + T_{R\ ATTEN}^2} = 50\ PSEC \quad (20-80\%)$$

$T_{SCOPE} = 25$ PSEC, 18 GHz ATTEN

∴ CONCL $T_{RISE} \leq 40$ PSEC.