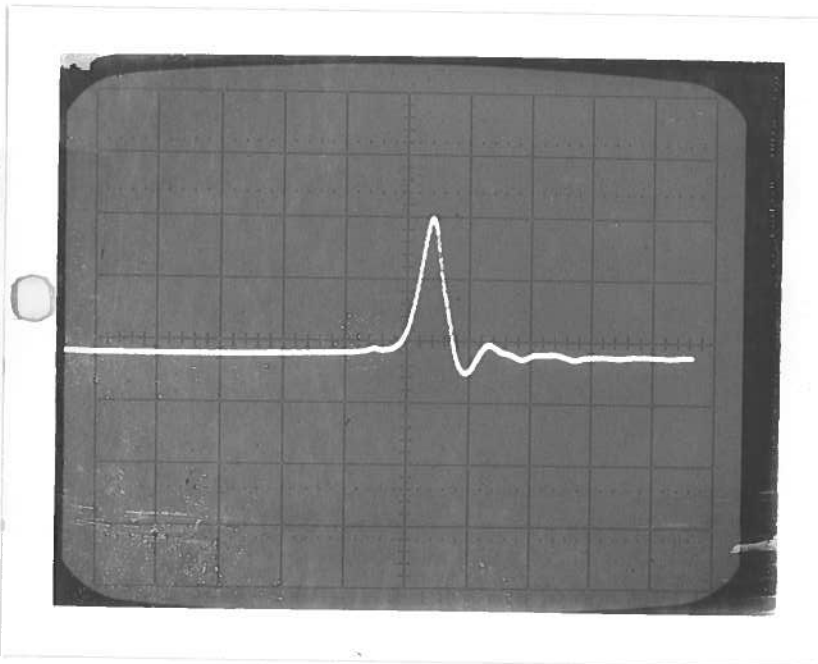


IMPULSE GENERATOR

PERFORMANCE CHECK

Model: **1924-B**
S.N.: **844**
Date: **JUNE 10 82**

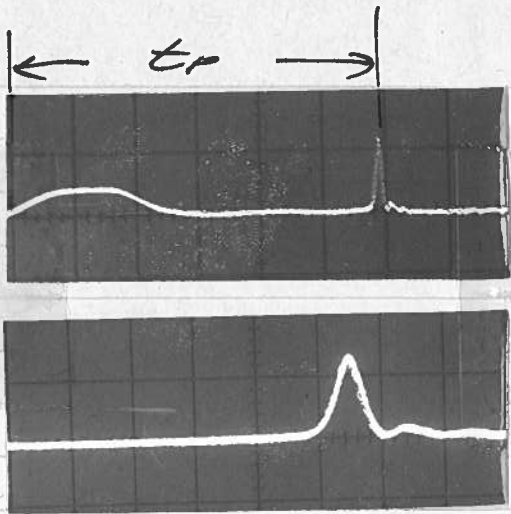


- a) Output signal amplitude:
 $\geq +80V$
- b) Pulse width:
 $\leq 0.8 \text{ nsec}$
- c) Jitter, stability: *
OK
- d) Prime power:

+14V TO +20V
 $\approx 60 \text{ mA}$

*** SEE FOLLOWING**
TEMP TEST
DATA

32 VOLTS/DIV
1.0 nsec/DIV
100 kHz
ROOM TEMP.



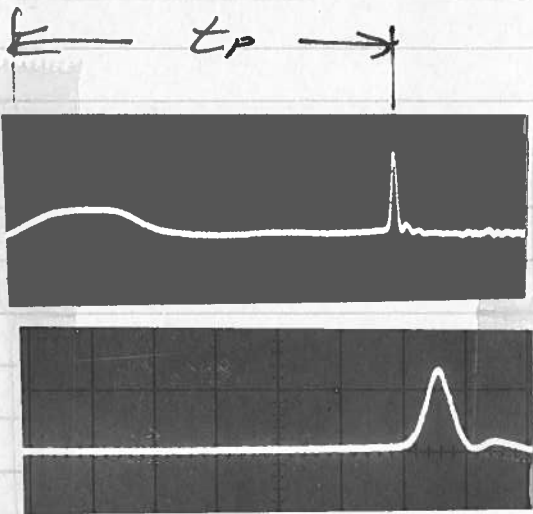
5N 844

5 NSEC/DIV

1.0 NSEC/DIV*
 ≈ 60 V/DIV

ROOM
TEMP

$I_s \approx 60 \text{ mA}$

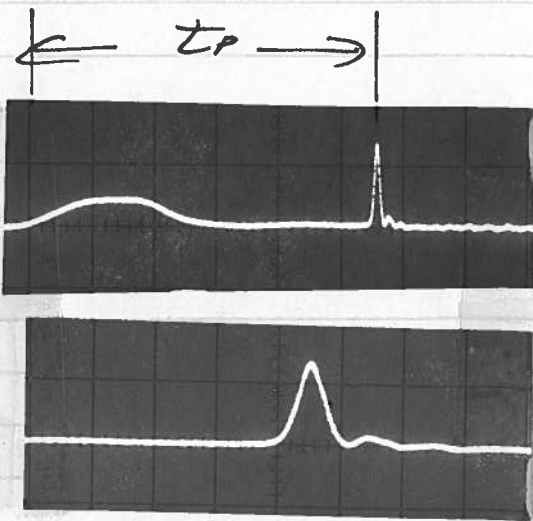


5 NSEC/DIV

1.0 NSEC/DIV
 ≈ 60 V/DIV

-32°C.

$I_s \approx 60 \text{ mA}$



5 NSEC/DIV

1.0 NSEC/DIV
 ≈ 60 V/DIV

+50°C.

$I_s \approx 60 \text{ mA}$

* CONNECTING CABLES DISPERSIVE +
 LOSSY. FOR DETAILED AMP +
 PW SEE PERFORMANCE
 CIRCUIT

CONEL:

- 1) PW CONSTANT WITHIN $\pm 5\%$
OVER FULL TEMP RANGE
- 2) AMP CONSTANT WITHIN
 $\pm 5\%$ OVER FULL TEMP RANGE
- 3) PROPAGATION DELAY CONSTANT
WITHIN 2 NSEC OVER
FULL RANGE.
- 4) SUPPLY CONSTANT CONSTANT
WITHIN $\pm 5\%$ OVER
FULL RANGE.
- 5) SUPPLY VOLTAGE 14 TO 20 V
OVER FULL RANGE.
- 6) TITTER FREE OVER
FULL TEMP RANGE.