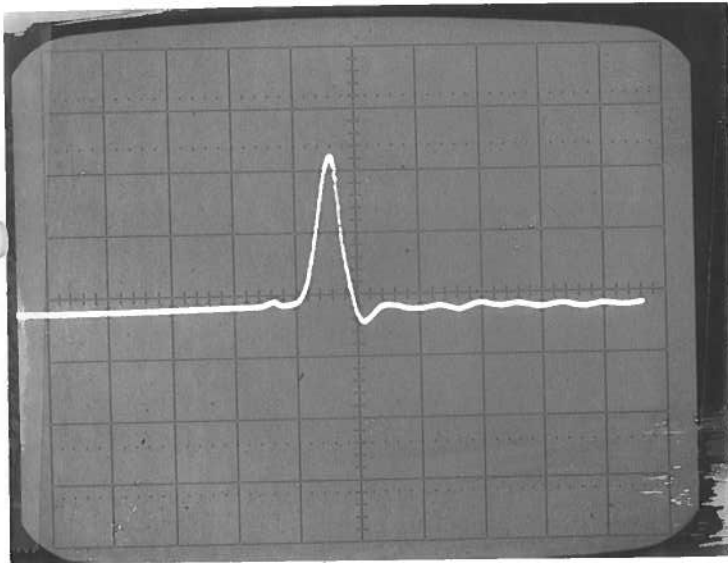


IMPULSE GENERATOR

PERFORMANCE CHECK

Model: **AVH-E**
S.N.: **843**
Date: **JUNE 10 82**



a) Output signal amplitude:

$\geq 80 \text{ V}$

b) Pulse width:

$\leq 0.8 \text{ NSES}$

c) Jitter, stability: *

OK -

d) Prime power:

+14V TO +20V

$\approx 60 \text{ mW}$.

* **SEE FOLLOWING**
TEMP. TEST DATA

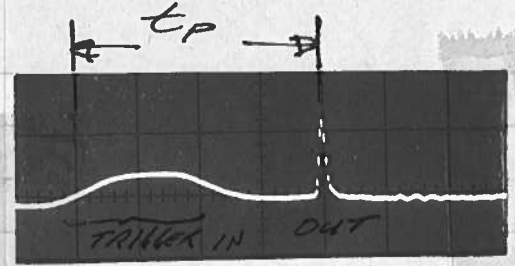
32 VOLTS/DIV

1.0 NSEC/DIV

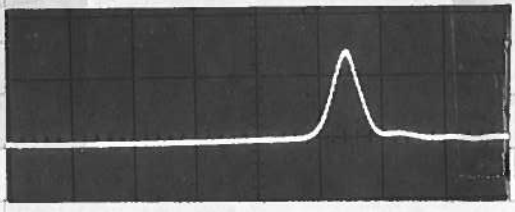
100 KHz.

ROOM TEMP.

SN 843

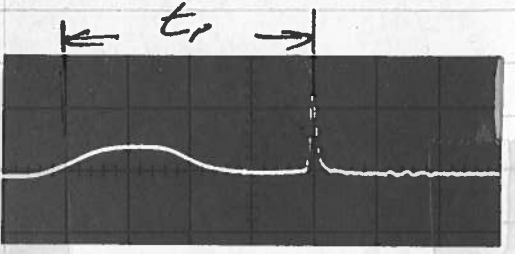


5 NSEC/DIV

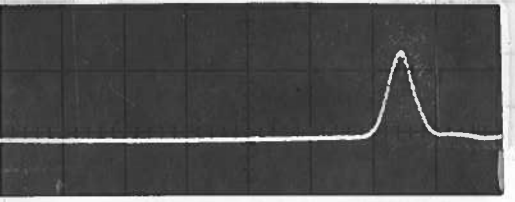


1.0 NSEC/DIV*
≈ 60 V/DIV*

ROOM
TEMP
 $I_3 \approx 55 \text{ mA}$

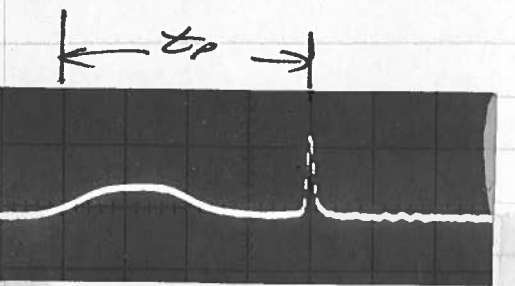


5 NSEC/DIV

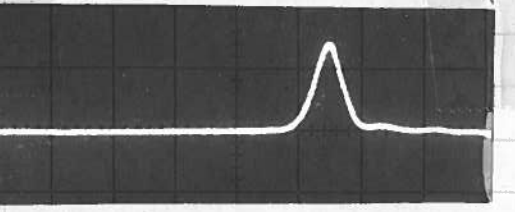


1.0 NSEC/DIV
≈ 60 V/DIV

-32°C
 $I_3 \approx 55 \text{ mA}$



5 NSEC/DIV



1.0 NSEC/DIV
≈ 60 VOLTS/DIV

+50°C
 $I_3 \approx 55 \text{ mA}$

* NOTE: CONNECTION CABLES DISPERSIVE
& LOSSY. FOR DETAILED AMP
& PW SEE PERFORMANCE
CHECK SHEET.

CONCL:

- 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 1 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) RITTEL FREE OVER
FULL TEMP RANGE.

AVH-E TEMP TEST

