

REV NO. A

TITLE

CONT ON SHEET FL. SH NO. 1

68A989780

GATE PULSE AMPLIFIER
TEST SPECIFICATION

CONT ON SHEET FL. SH NO. 1

FIRST MADE FOR IC3600TPAA1

ELEMENTARY IC3600TPAA1 SH. 3.0

TEST EQUIPMENT

- 1 - 18.5 VAC $\pm 2\%$ 60 CY .5 AMP SUPPLY
- 1 - OSCILLOSCOPE 2 CHANNEL 5"
- 1 - MISC. PARTS PER FIGURE 1.

TEST CIRCUIT

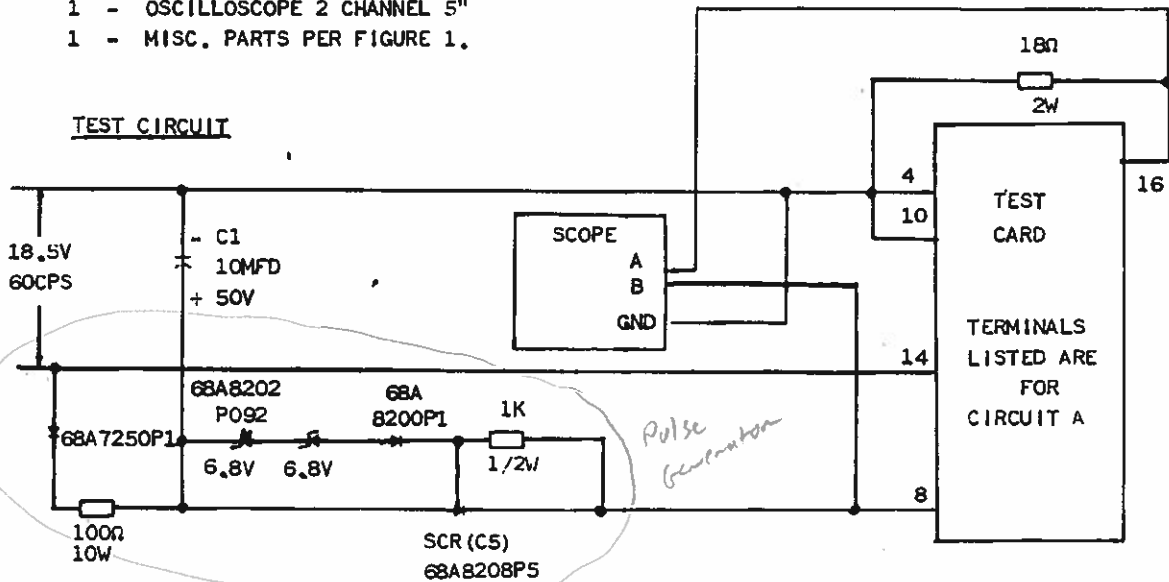


FIGURE 1

TEST STEPS

1. CHECK INPUT AND OUTPUT PER FIGURE 2.
2. CHECK CIRCUIT B SIMILARLY.
3. CHECK CIRCUIT C SIMILARLY.

CAUTION!!
DO NOT HIT E STOP! REDUCE VARIAC TO ZERO BEFORE SWITCHING CARDS. SPIKE BLOWS Q1 AND Q2.

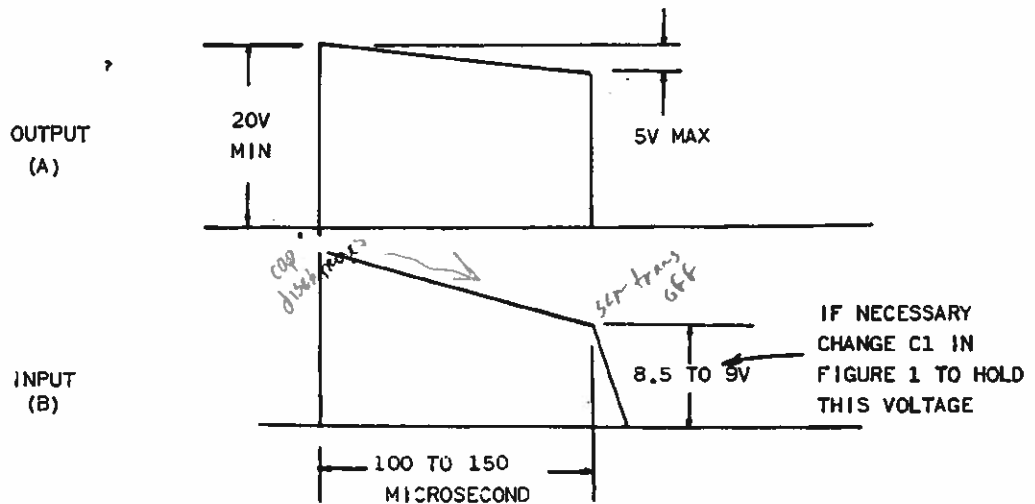


FIGURE 2

MADE BY

V.M. STOCKTON

APPROVALS

Bo Chase

INDUSTRY CONTROL

SALEM, VIRGINIA

DIV OR DEPT.

LOCATION

68A989780

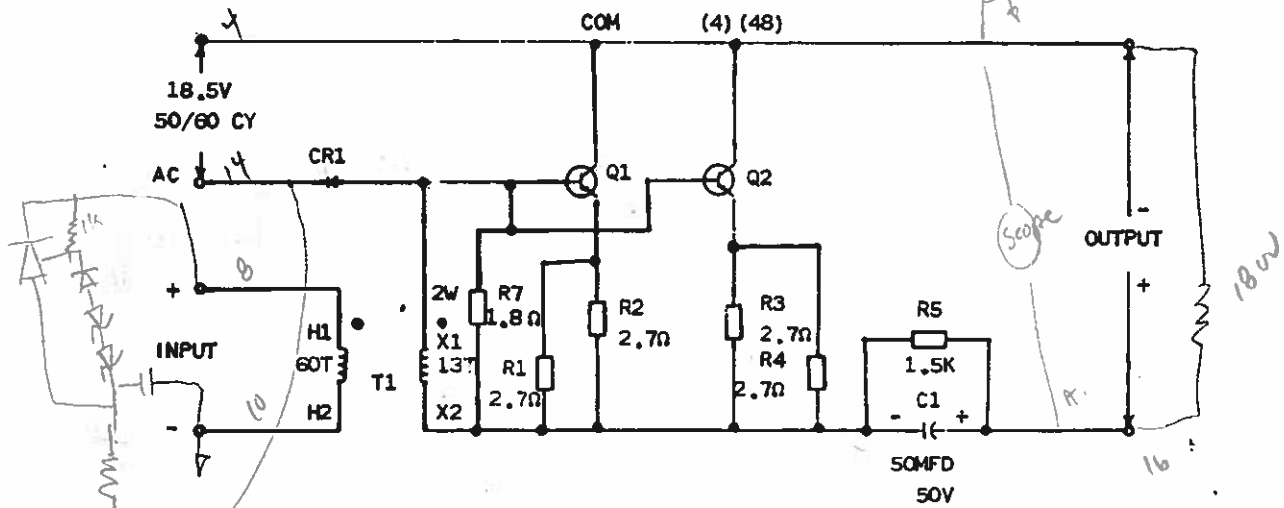
CONT ON SHEET FL. SH NO. 1

REV 2 8/5/93 JNU
REV 1 6/15/89 864-70

P6A

PRINTS TO

3 CIRCUITS PER CARD

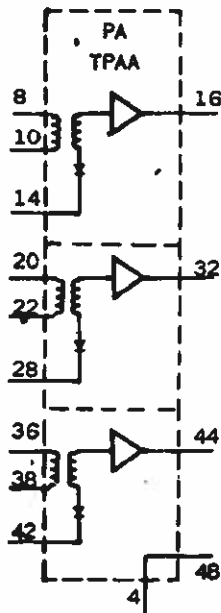


TERMINALS

| CIRCUIT | A | B | C |
|---------|----|----|----|
| +INPUT | 8 | 20 | 36 |
| -INPUT | 10 | 22 | 38 |
| +OUTPUT | 16 | 32 | 44 |
| AC | 14 | 28 | 42 |

| | | |
|--------|---|--------------------|
| T1 | - | 01168309631 (SPC) |
| CR1 | - | 68A7250P1 |
| Q1, Q2 | - | 68A7350P1 (2N2868) |
| R1-R4 | - | 68A7000P27G |
| C1 | - | 68A7053P050D |
| R7 | - | 68A7037P180B |

SYMBOL



Q1 AND Q2 ARE PARALLELED POWER SWITCHES USING EMITTER RESISTORS FOR LOAD SHARING. C1 IS CHARGED TO 25V BY THE AC SUPPLY WHEN 4 IS POSITIVE, AND THIS CURRENT ALSO RESETS T1. THE OUTPUT PULSE MUST BE INITIATED DURING THE NEXT HALF CYCLE WHEN 4 IS NEGATIVE. WITH A 10V INPUT, TRANSFORMER T1 SATURATES IN UNDER 150 MICROSECONDS, THUS ANY TRANSFORMER IN THE OUTPUT CIRCUIT MUST WITHSTAND 25 VOLTS FOR OVER 180 MICROSECONDS.

PROPRIETARY INFORMATION OF THE GENERAL ELECTRIC COMPANY

| | | | | |
|-----------------------|-----------------|-------------------------|---|---------------------------------------|
| REV. 4/1966 | DL1 | APPROVED | GENERAL ELECTRIC | ELEMENTARY DIAGRAM POWER AMPLIFIER |
| DATE: March 14, 1966 | PRINTED TO 1338 | PRINT MADE FOR: BOCHANE | | |
| MADE BY V.M. STOCKTON | PGA | STANDARD LINE | INDUSTRY CONTROL DEPT. SALEM, VA. U.S.A. | 1C3600TPAA1 CONT. ON DL 3.1 |
| | | | | 3.0 |