

# GENERAL ELECTRIC

68A999570

CONT ON SHEET FL. SH NO. 1

REV NO. A

68A999570

CONT ON SHEET FL. SH NO. 1

TITLE

TEST SPECIFICATIONS  
GATE DRIVER

FIRST MADE FOR IC3600TGDD1 AND TGDF1

NOTE: TGDA CARD  
IS SIMILAR TO THESE.

SEE HIGHLIGHTED  
AREA ON SH. 3

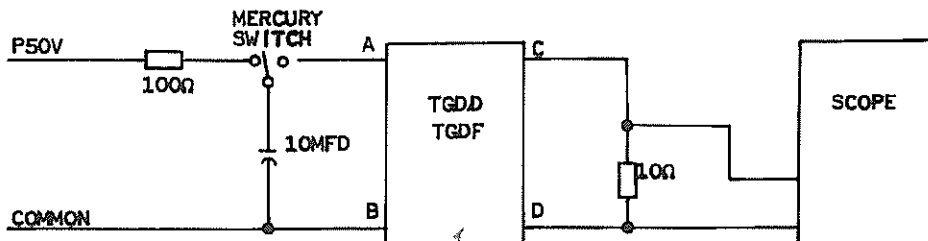
REVISIONS

ELEMENTARY DIAGRAM - IC3600TGDD1 - TGDF1, SH. 3.0

POWER SUPPLY - 50V, DC.

LOADS - 10 OHMS, 2W - 10MFD, 200V

CONNECT IN TEST CIRCUIT SHOWN BELOW.



CONNECT A TO PIN 21, B TO PIN 23, C TO PIN 5, AND D TO PIN 9. OPERATE SWITCH TO ALTERNATELY CHARGE AND DISCHARGE CAPACITOR. WAVE SHAPE ON SCOPE MUST GO TO AT LEAST 4.2 VOLTS OUTPUT AND MUST REACH 4 VOLTS IN LESS THAN 1 MICROSECOND. OUTPUT MUST BE GREATER THAN 2.4 VOLTS FOR 50 MICROSECONDS.

REPEAT WITH A CONNECTED TO PIN 31, B TO PIN 29, C TO PIN 47 AND D TO PIN 43.

USE OHMMETER TO CHECK CONTINUITY FROM PIN 23 TO TP1 (INCLUDES TRANSFORMER RESISTANCE) 23 TO TP2, 29 TO TP3, 29 TO TP4, (INCLUDES TRANSFORMER RESISTANCE). ALSO CHECK PIN 7 TO PIN 19 AND PIN 43 TO PIN 19 FOR OPEN CIRCUIT.

CHECK RESISTANCE FROM PIN 13 TO PIN 7 AND FROM PIN 43 TO 37 PER THE FOLLOWING TABLE.

TGDD AND TGDE  
TGDF

180K  $\pm$  10 %

220K  $\pm$  10 %

5V SPIKE

10 ms

2V/DIV

PGA

1338

6V

2520

PRINTS TO

MADE BY

WM HURD

ISSUED

June 12, 1970

APPROVALS

D. J. McCay

INDUSTRY CONTROL

SALEM, VIRGINIA

DIV OR DEPT.

LOCATION

68A999570

CONT ON SHEET FL.

SH NO. 1