

SEE NOTE 3

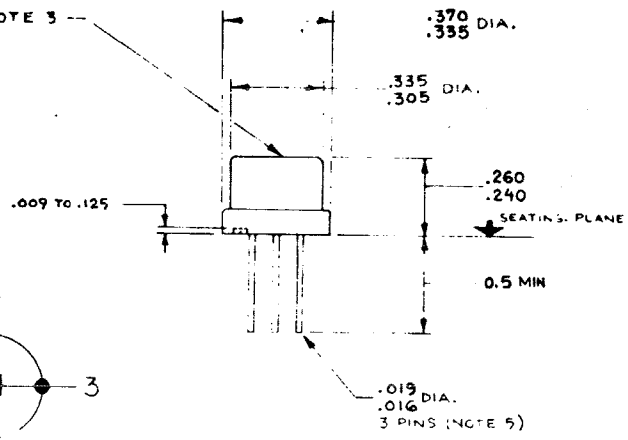


FIG. 2

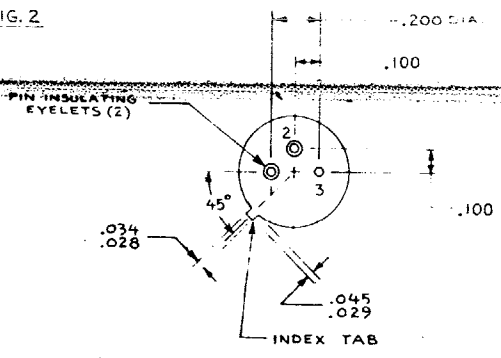


FIG. 1

SPECIFICATIONS

1. ELECTRICAL: SILICON CONTROLLED RECTIFIER (MOTOROLA 2N1599 FAMILY OR EQUIV.)
 - A. PEAK FORWARD BLOCKING VOLTAGE, V_{FBM} 400 VOLTS MIN.
 - B. REPEATABLE PEAK REVERSE VOLTAGE, V_{RM} (rep) 400 VOLTS MIN.
 - C. RMS FORWARD CURRENT, I_T ; $T_A = 25^\circ C$ 1.6 AMPS MAX.
 - D. PEAK ONE-CYCLE SURGE CURRENT (60Hz), I_{TSM} 15.0 AMPS MAX.
 - E. GATE TRIGGER CURRENT, I_{GT} @ $T_C = 25^\circ C$ 10 MA MAX.
 - F. GATE TRIGGER VOLTAGE, V_{GT} @ $T_C = 25^\circ C$ 3.0 VOLTS MAX.
 - G. GATE REVERSE CURRENT, I_{GR} $T_A = 25^\circ C$ N/A
 - H. THERMAL RESISTANCE, JUNCTION-TO-AMBIENT, θ_{JA} N/A
 - I. OPERATING TEMPERATURE RANGE, T_A $-65^\circ C$ TO $+125^\circ C$
 - J. STORAGE TEMPERATURE RANGE, T_{STG} $-65^\circ C$ TO $+150^\circ C$

K. HOLDING CURRENT I_H 5 MA. MAX.

2. MECHANICAL: TO-5 CASE WITH DIMENSIONS SHOWN IN FIGURE 1.

3. MARKING: STAMP TOP OF CASE WITH LAMBDA PART NO. FBP-00-051

4. MANUFACTURER CODE: MOTOROLA 2N1599

5. FINISH: GOLD PLATED (SOLDER PLATING ACCEPTABLE)

6. To protect against damage due to electrostatic discharge, these units must be manufactured, handled and shipped in accordance with DOD-STD-1686.

REV	DESCRIPTION	DATE
A	ORIGINAL	8/18/62
B	NOTE 5 - ADDED LABEL, PLATE ALT. FOR M.P.E.	8/18/62
C	ADDED NOTE 6 ECO A01587L	3-26-67

LES-F	
DESIGN	EXT. ASSEMBLY
Wally	END
DATE	
BY	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND DECIMALS THEREOF ARE TO BE USED UNLESS OTHERWISE SPECIFIED.	
SILICON CONTROLLED RECTIFIER	
LAMBDA ELECTRONICS MELVILLE, N.Y.	
FBP-00-051 C	