

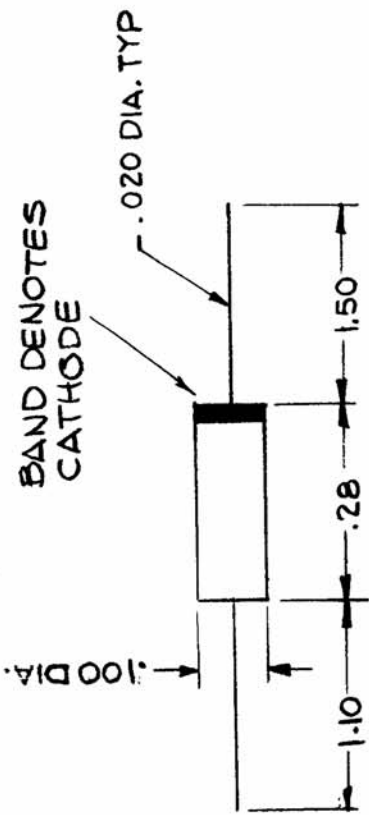
# STANDARD DRAWING

REQ. PER UNIT	USED ON	DD123	A
MODEL	ASS'Y. NO.		
RTMU-1	A3639		
	DATE	6-15-65	

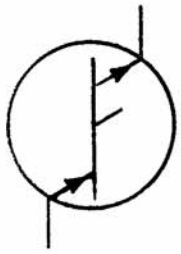
TMC PART NUMBER	DD123-1	DD123-2
SWITCHING VOLTAGE ~ VBO	50 ± 4V	200 ± 20V
PEAK REVERSE VOLT.	30V	120V
HOLDING CURRENT ~ I <sub>h</sub>	14-15MA	14-45MA
TEMPERATURE RANGE	-40 TO +70° C	-40 TO +70° C
SWITCHING CURRENT ~ I <sub>s</sub>	< 250µA @ -40 TO + 70° C	< 125µA @ +25° C
MANUFACTURER & REF.	4E50-28	4E200-28

## GENERAL SPECIFICATIONS @25°C

- PEAK SURGE CURRENT 10A
- MAXIMUM DISSIPATION 150 MW
- DERATE ABOVE 50°C -1.5 MW/°C
- HOLDING VOLTAGE (V<sub>h</sub>) 0.25 TO 1.2V
- TURN ON TIME (T<sub>ON</sub>) 0.03 TO 0.2µSEC
- TURN OFF TIME (T<sub>OFF</sub>) 1 TO 5µ SEC
- LEAKAGE CURRENT @75V < 15µA
- DYNAMIC RESISTANCE < 2Ω @ 70 MA
- < 0.3Ω @5A



SCHEMATIC



NOTE: DIMENSIONS ARE FOR REF. ONLY

REQ. ITEM	PART NO.	EATON	DESCRIPTION	SYMBOL		
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK			
	STOCK SIZE		DIODE, 4 LAYER			
	MATERIAL		SHOCKLEY			
	GLASS PACKAGE	G.D.L	DRAWN	FINAL APPROVAL		
	TYPE & TEMPER	HEAT TREAT. SPEC.	JE 6-17-65	DD123		
	FINISH & SPEC. NO.		ELEC. DES. APP. MECH. DES. APP.	A		
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	DD123-1 DD123-2 SPEC. REVISED, 9401-279 DELETED ORIGINAL RELEASE FOR PRODUCTION	3-8-66	15854	WH	JS	JS
Ø		6-17-65		FC		
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	SCALE	DO NOT SCALE			
	TOLERANCES	FRACTIONS	± 1/84 ANGLES, ± 0° 30'			
	.X ± .05					
	.XX ± .01					
	.XXX ± .005					
	CODE	C				
		\$40-368				