

X00200

SHV8025F

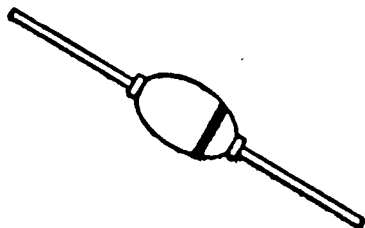
25 MA, HIGH VOLTAGE FAST RECOVERY RECTIFIER

8000 VOLTS



14830 Valley View Avenue
La Mirada, California 90838
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(213) 921-0660
TWX 910-583-4807

CASE STYLE C



FEATURES

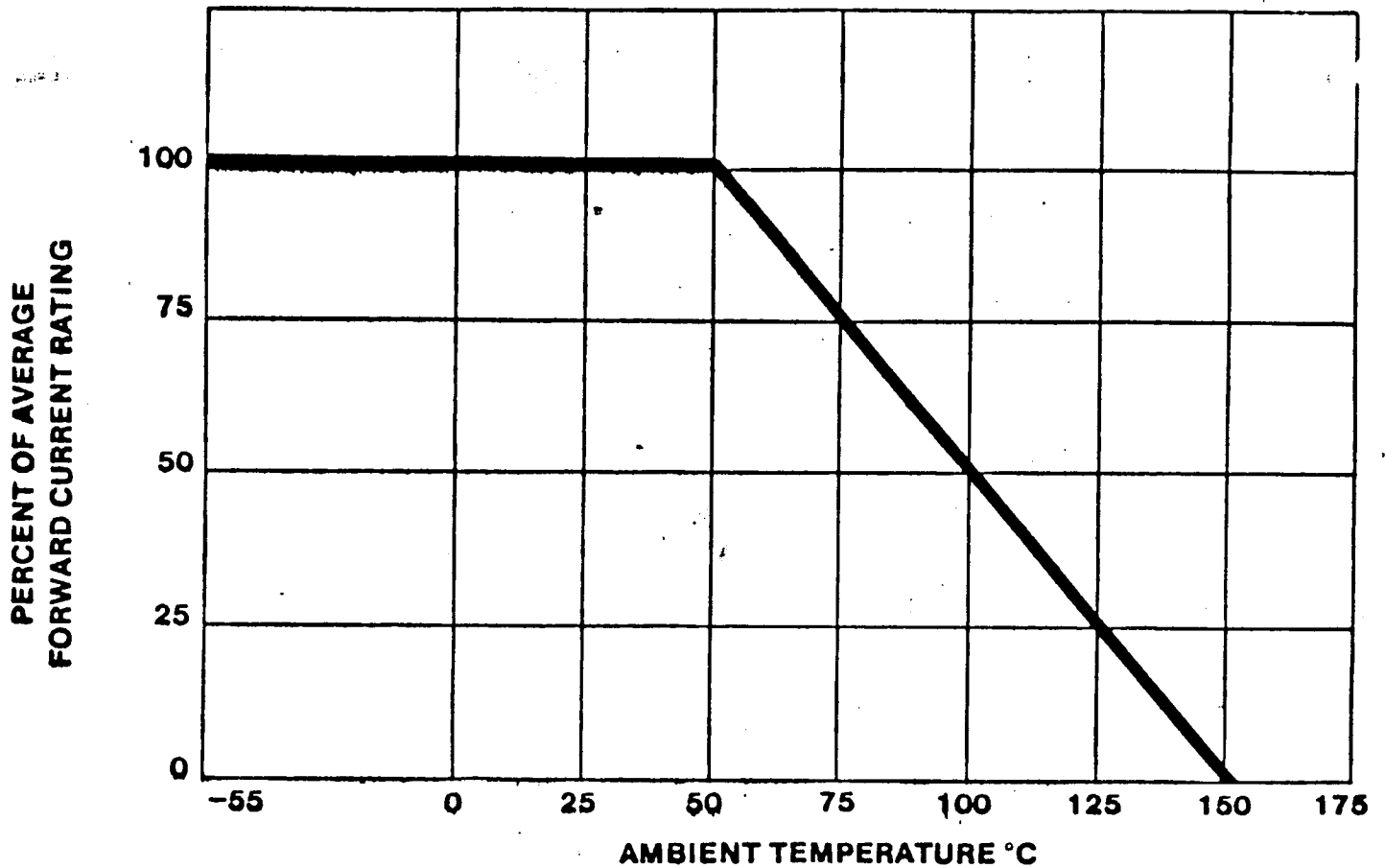
- HERMETICALLY SEALED GLASS PACKAGE
- SOLID SILVER LEADS
- 150°C OPERATING TEMPERATURE
- MATCHED JUNCTION CHARACTERISTICS
- METALLURGICALLY BONDED JUNCTIONS
- SUBMINIATURE PACKAGE

ELECTRICAL CHARACTERISTICS

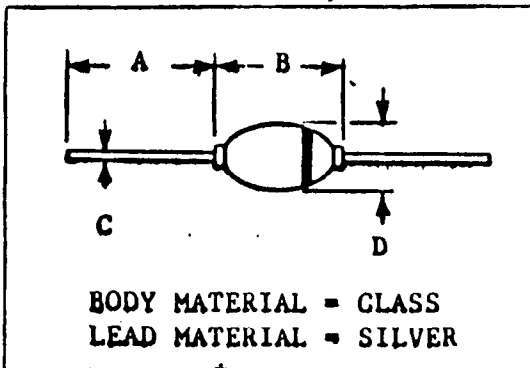
TYPE	PEAK INVERSE VOLTAGE (PIV)	REVERSE RECOVERY TIME (T _{RR})	AVERAGE RECTIFIED CURRENT (I _O)			PEAK 1 CYCLE FORWARD SURGE (I _{FSM})	MAX FORWARD VOLTAGE (V _F) @ I _O	MAX REVERSE CURRENT (I _R) @ PIV		MAX JUNCTION CAPACITANCE (C _J)
	25°C	25°C	55°C	100°C		25°C	25°C	25°C	100°C	@ 100V
	V	ns	mA	mA		A	V	uA	uA	pf
SHV8025F	8000V	150	25	12.5		2	15	.1	10	1

1. Reverse recovery test conditions: $I_F = 50 \text{ mA}$, $I_R = 100 \text{ mA}$, $I_{RR} = 25 \text{ mA}$, $T_C = 25^\circ\text{C}$.
2. Operation and testing of devices over 10,000 V/inch may require re-encapsulation or emersion in a suitable dielectric material.
3. Average rectified current ratings require no heat sinking, special mounting, or forced air across the body of the device.
4. Maximum forward voltage measured with instantaneous forward pulse of 8.3 ms.
5. Maximum lead temperature for soldering is 250°C, 3/8 inch from case for 5 seconds maximum.
6. Operating and storage temperature -65°C to +150°C.

MAXIMUM FORWARD CURRENT VS. AMBIENT TEMPERATURE



PHYSICAL DIMENSIONS

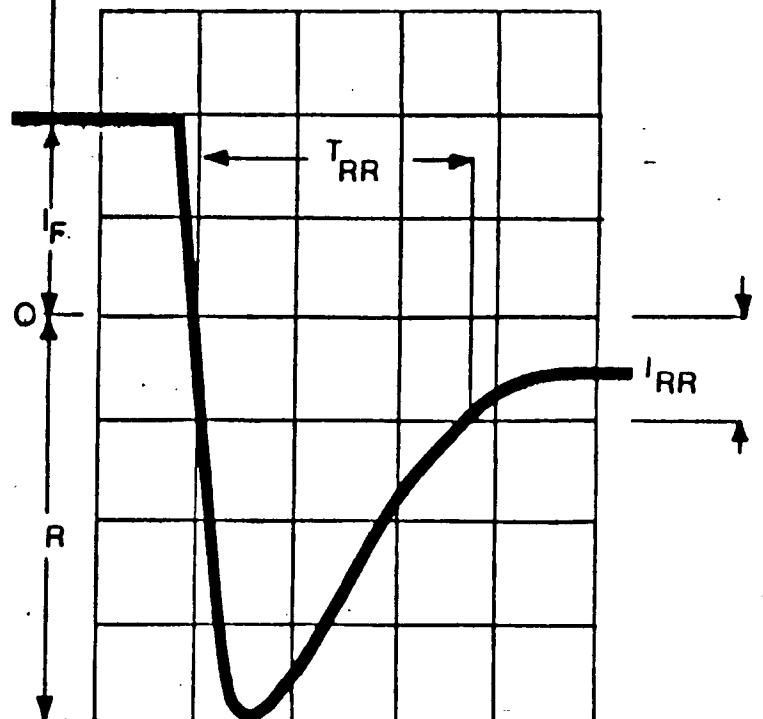


KEY TO DIMENSIONS:

(Inches)

- A = 1.125 MIN
- B = .350 MAX
- C = .028 - .032
- D = .150 MAX

REVERSE RECOVERY WAVE FORM



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