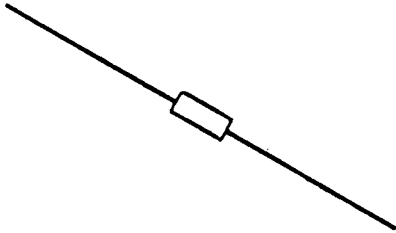


X00197

SHB 15 THRU SHB 100**25-80 MA, HIGH VOLTAGE
STANDARD RECOVERY RECTIFIER
1500-10,000 VOLTS****SSDII**14830 Valley View Avenue
La Mirada, California 90638
P. O. Box 577
La Mirada, California 90637
(213) 921-9660
TWX 910-583-4807**CASE STYLE K****FEATURES**

- INJECTION MOLDED EPOXY PACKAGE
- SOLID SILVER LEADS
- MATCHED JUNCTION CHARACTERISTICS
- METALLURGICALLY BONDED JUNCTIONS
- SUBMINIATURE PACKAGE

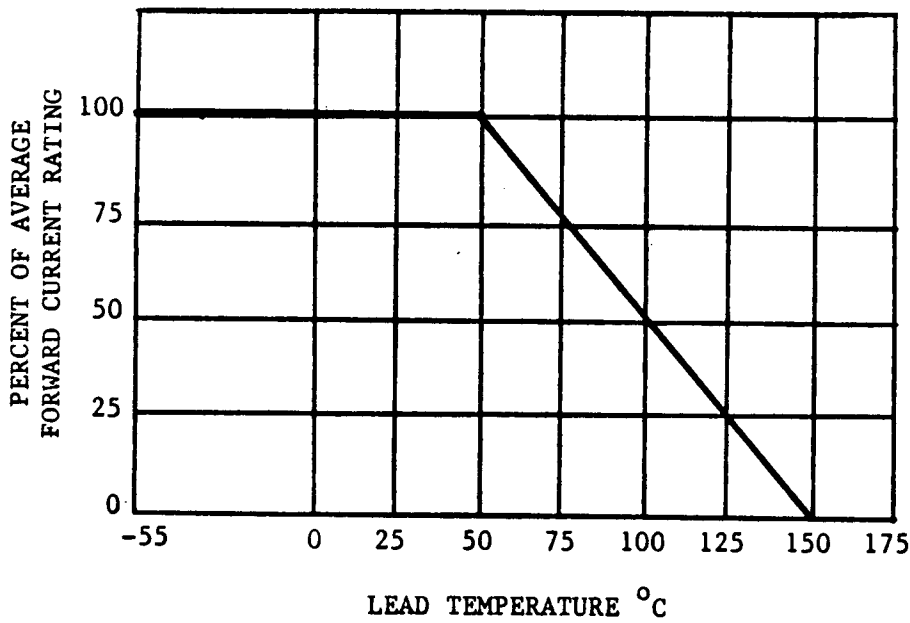
PART NUMBER	PEAK INVERSE VOLTAGE PIV	AVERAGE RECTIFIED CURRENT I_O		MAXIMUM REVERSE CURRENT @ PIV I_R		MAXIMUM FORWARD VOLTAGE @55°C I_O V_F	MAX SURGE CURRENT 1 CYCLE I_{FS}	MAX REVERSE RECOVERY TIME T_{RR}^*	MAXIMUM JUNCTION CAPACITANCE C_J
		55°C	100°C	25°C	100°C				
	VOLTS	mA	mA	μA	μA	VOLTS	AMPS	μsec	pf
SHB 15	1500	80	40	0.1	10	6.0	8	5	2
SHB 20	2000	80	40	0.1	10	6.0	8	5	2
SHB 25	2500	80	40	0.1	10	6.0	8	5	2
SHB 30	3000	40	20	0.1	10	8.0	4	5	1
SHB 40	4000	40	20	0.1	10	8.0	4	5	1
SHB 50	5000	40	20	0.1	10	8.0	4	5	1
SHB 60	6000	25	12.5	0.1	10	13.0	2	5	1
SHB 80	8000	25	12.5	0.1	10	13.0	2	5	1
SHB 100	10000	25	12.5	0.1	10	13.0	2	5	1

*Reverse recovery test conditions: $I_F = 12.5$ mA, $I_R = 25$ mA, $IRR = 6.25$ mA.

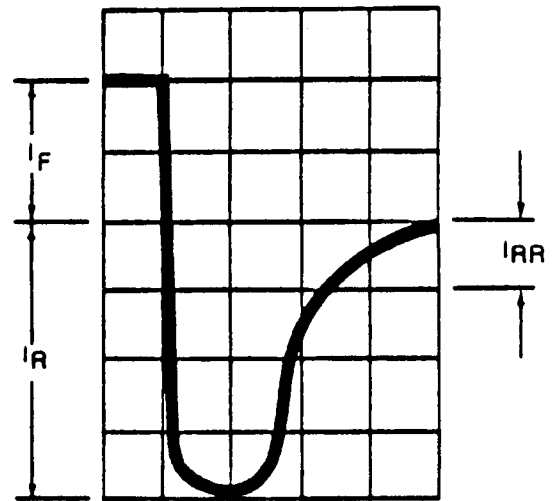
1. Operating and testing over 10,000 V/inch may require encapsulation or immersion in a suitable dielectric material.
2. Maximum forward voltage measured with instantaneous forward pulse of 8.3 ms.
3. Maximum lead temperature for soldering is 250°C, 3/8 inch from case for 5 seconds maximum.
4. Operating and storage temperature -65°C to +150°C.

NOTE: All specifications subject to change without notice.

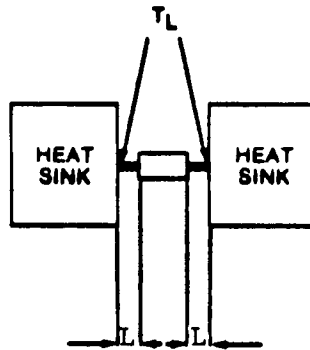
MAXIMUM FORWARD CURRENT VS. LEAD TEMPERATURE



REVERSE RECOVERY WAVE FORM



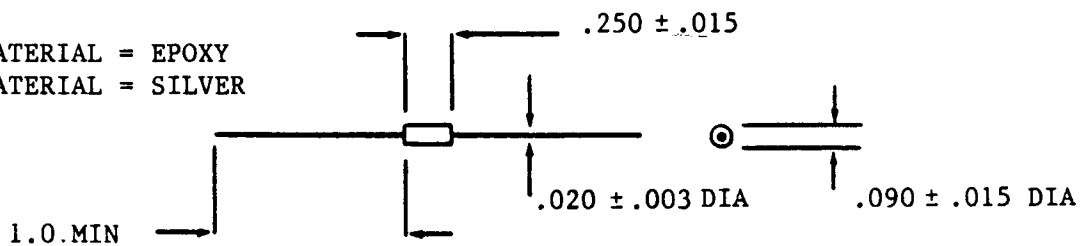
THERMAL IMPEDANCE
● J-L INFORMATION



HEAT SINKS ARE INFINITE
 T_L = LEAD TEMP. ADJACENT TO
HEAT SINK

T_J = TEMP. OF CENTER JUNCTION.
EXPOSED PORTION OF LEADS
SHALL BE FREE OF PAINT,
GREASE, OR COATINGS OF
ANY KIND.

BODY MATERIAL = EPOXY
LEAD MATERIAL = SILVER



SSD II SOLID STATE DEVICES, INC.

P. O. Box 577, La Mirada, California 90637

Telephone: (213) 921-9660 • TWX 910-583-4807