

# SJPB-L6

Apr. 2009

Schottky Barrier Rectifier

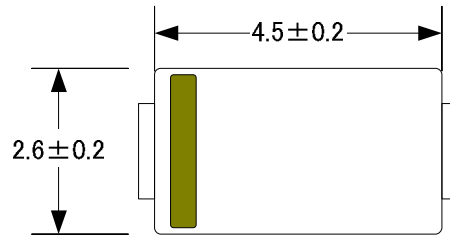
### General Description

SJPB-H6 is a Schottky Barrier Diode, and has achieved low leakage current and low VF by selecting the best barrier metal.

### Applications

- DC-DC converters
- AC adapter
- High frequency rectification circuit

### Package



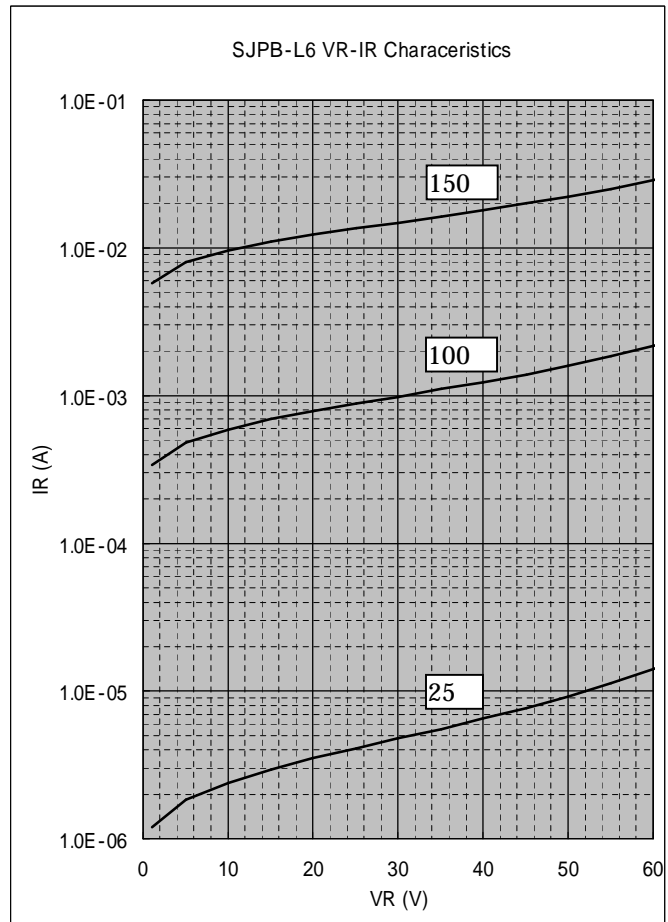
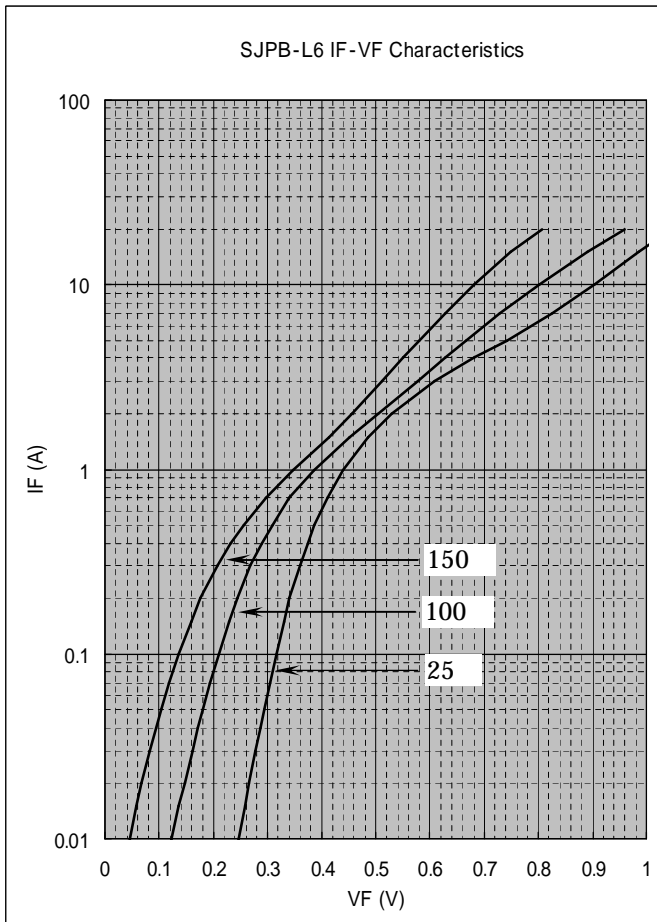
### Features

- Super-high speed & low noise switching.
- Low forward voltage drop.

### Key Specifications

Item	Unit	Rating	Conditions
$V_{RM}$	V	60	
$V_F$	V	0.70	$I_F=3.0A$
$I_{F(AV)}$	A	3.0	

### Typical Characteristics



The information included herein is believed to be accurate and reliable. However, SANKEN ELECTRIC CO., LTD assumes no responsibility for its use ; nor for any infringements of patents or other rights of third parties that may result from its use.

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**\* Absolute maximum ratings**

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	$V_{RSM}$	V	60	
2	Peak Reverse Voltage	$V_{RM}$	V	60	
3	Average Forward Current	$I_{F(AV)}$	A	3.0	
4	Peak Surge Forward Current	$I_{FSM}$	A	50	Half sinewave, one shot
5	$I^2t$ Limiting Value	$I^2t$	A <sup>2</sup> s	8.0	1msec t 10msec
6	Junction Temperature	$T_j$		-40 ~ +150	
7	Storage Temperature	$T_{stg}$		-40 ~ +150	

**\* Electrical characteristics(Ta=25 , unless otherwise specified)**

No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	$V_F$	V	0.70 max.	$I_F=3.0A$
2	Reverse Leakage Current	$I_R$	uA	300 max.	$V_R=V_{RM}$
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	mA	70 max.	$V_R=V_{RM}, T_j=150$
4	Thermal Resistance	$R_{th(j-l)}$	/W	20 max.	Between Junction and Lead

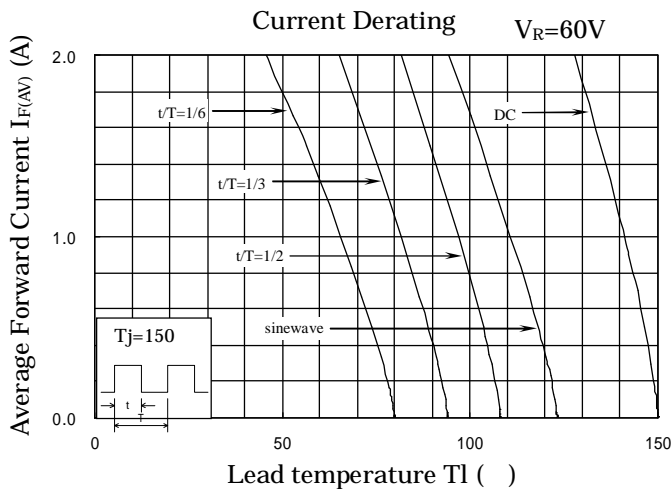
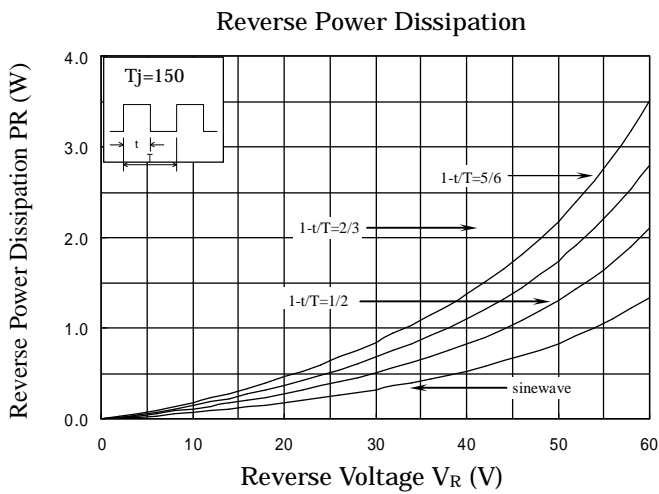
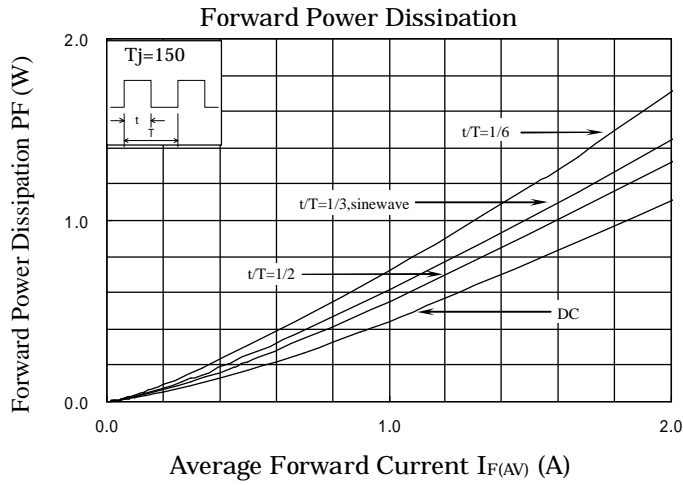
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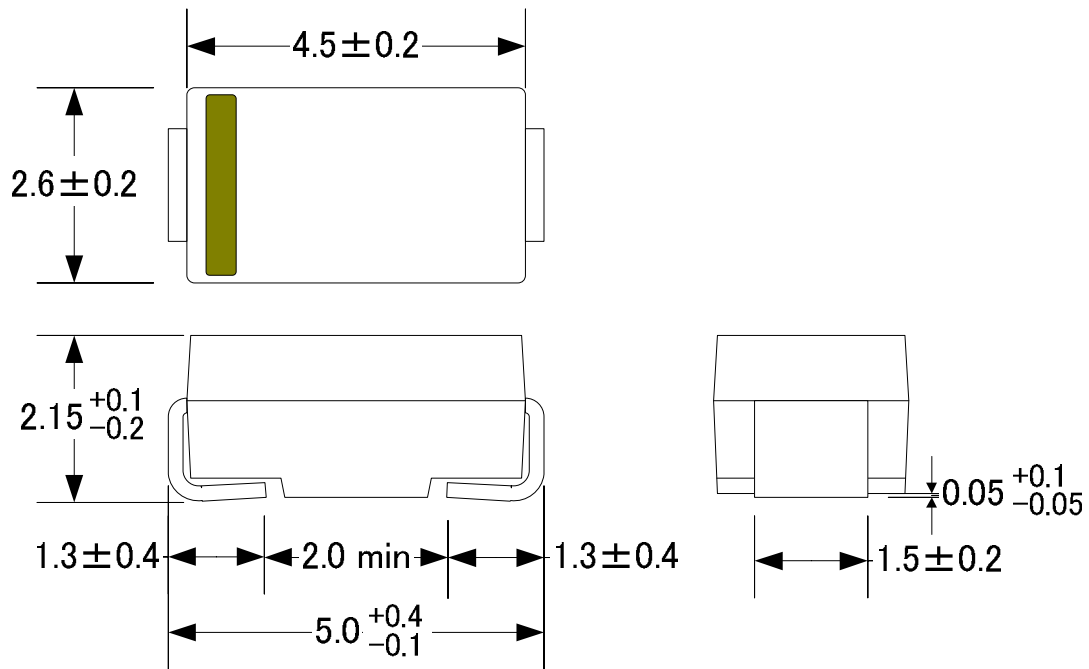


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**\* Outline drawings, mm**



**\* Connection Diagram**

