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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SJPB-D9 Schottky Barrier Rectifier

May. 2016

General Description

SJPB-D9 is a Schottky Barrier Diode, and has achieved low leakage current and low VF by selecting the best barrier metal.

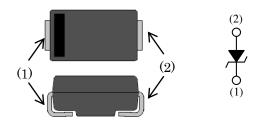
Applications

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

·Super-high speed & low noise switching.

Package

SJP



- (1) Cathode
- (2) Anode

Not to Scale

Key Specifications

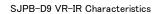
Item	Rating	Unit	Conditions
V_{RM}	90	V	
V_{F}	0.85	V	I _F =1.0A
$I_{F(AV)}$	1.0	A	

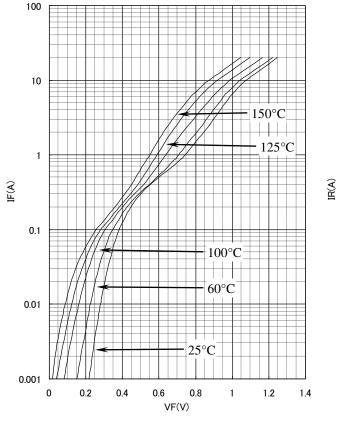
Features

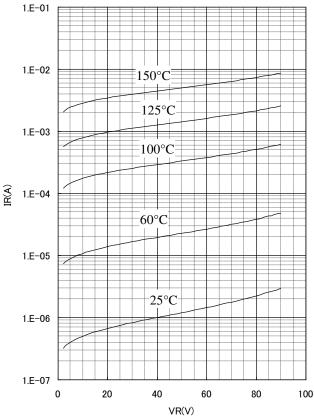
·Low forward voltage drop	ige drop.
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Typical Characteristics

SJPB-D9 IF-VF Characteristics









SJPB-D9
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Absolute maximum ratings

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V _{RSM}	V	90	
2	Peak Reverse Voltage	V_{RM}	V	90	
3	Average Forward Current	I _{F(AV)}	A	1.0	
4	Peak Surge Forward Current	I_{FSM}	A	20	Half sine-wave, one shot
5	I ² t Limiting Value	I^2t	A^2s	2.0	$1 \text{ms} \le t \le 10 \text{ms}$
6	Junction Temperature	$T_{\rm j}$	°C	-40 to 150	
7	Storage Temperature	T_{stg}	°C	-40 to 150	

Electrical characteristics (Ta=25°C, unless otherwise specified)

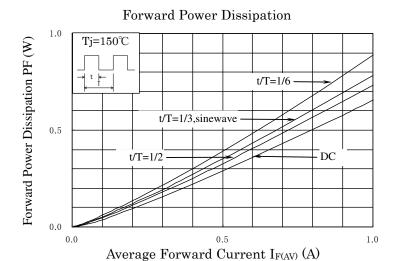
No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	V_{F}	V	0.85 max.	I _F =1.0A
2	Reverse Leakage Current	I_R	μΑ	100 max.	$V_R = V_{RM}$
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	mA	30 max.	V _R =V _{RM} , T _j =150°C
4	Thermal Resistance	$R_{\text{th(j-l)}}$	°C/W	20 max.	Between Junction and Lead

SJPB-D9

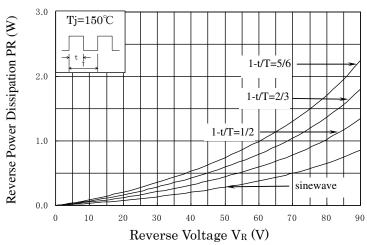
Schottky Barrier Rectifier

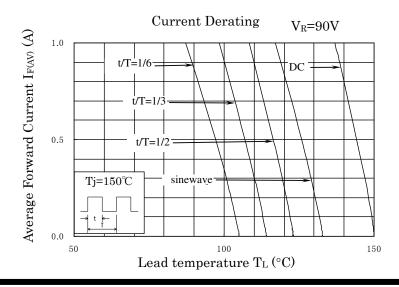
May. 2016

Characteristics



Reverse Power Dissipation





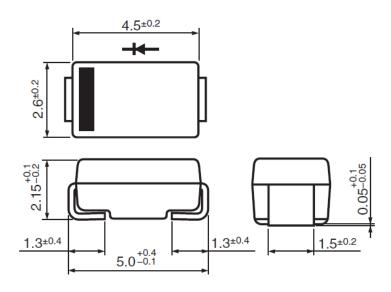


SJPB-D9
Schottky Barrier Rectifier

May. 2016

Outline drawings

• SJP



NOTES:

- Dimension is in millimeters.
- Lead treatment Pb-free. Device composition compliant with the RoHS directive.

Connection Diagram



SJPB-D9 May. 2016

Schottky Barrier Rectifier

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