imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

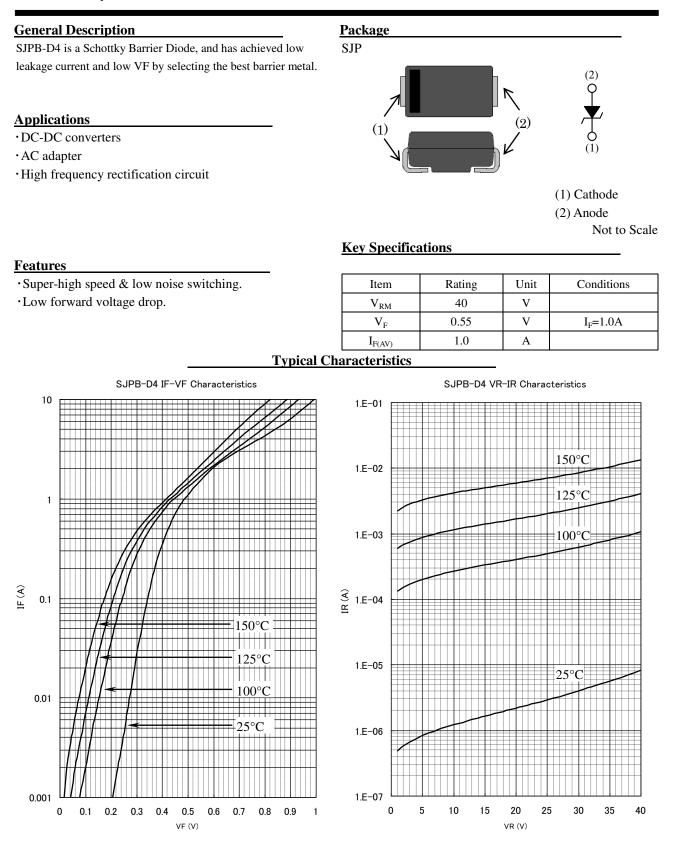


SJPB-D4

Schottky Barrier Rectifier

May. 2016

http://www.sanken-ele.co.jp



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SJPB-D4

Schottky Barrier Rectifier

May. 2016

Absolute maximum ratings

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V _{RSM}	V	40	
2	Peak Reverse Voltage	V _{RM}	V	40	
3	Average Forward Current	I _{F(AV)}	А	1.0	
4	Peak Surge Forward Current	I _{FSM}	А	30	Half sine-wave, one shot
5	I ² t Limiting Value	I ² t	A ² s	4.5	$1ms \leq t \leq 10ms$
6	Junction Temperature	T _j	°C	-40 to 150	
7	Storage Temperature	T _{stg}	°C	-40 to 150	

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

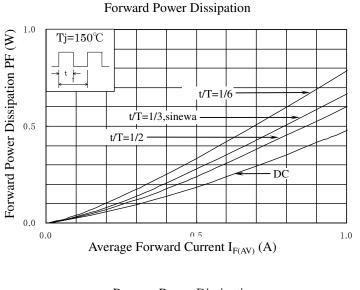
No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	$V_{\rm F}$	V	0.55 max.	I _F =1.0A
2	Reverse Leakage Current	I _R	μΑ	100 max.	V _R =V _{RM}
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	mA	35 max.	V _R =V _{RM} , T _j =150°C
4	Thermal Resistance	R _{th(j-l)}	°C/W	20 max.	Between Junction and Lead

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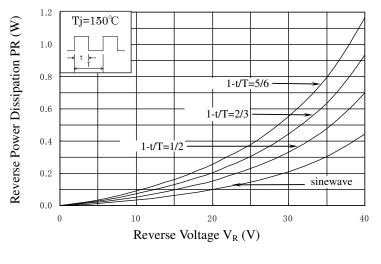
SJPB-D4

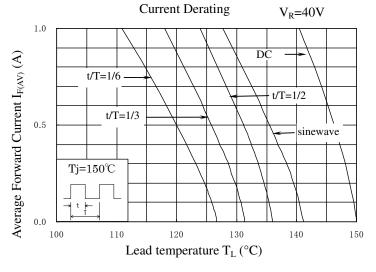
Schottky Barrier Rectifier

Characteristics



Reverse Power Dissipation





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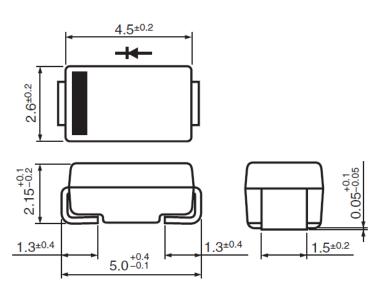
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Outline drawings

• SJP



NOTES:

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

Connection Diagram



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Schottky Barrier Rectifier

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