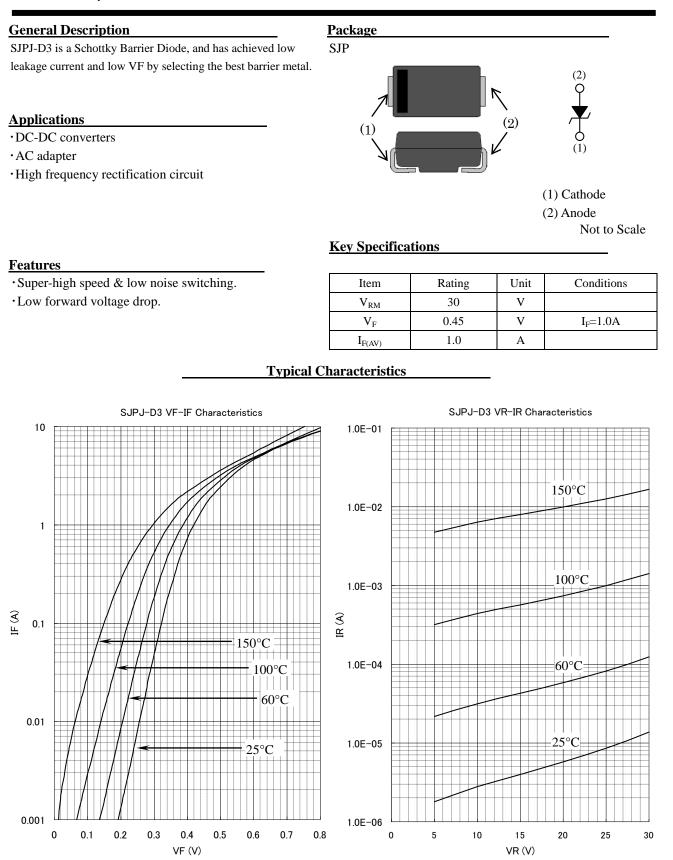
SJPJ-D3

Schottky Barrier Rectifier

May. 2016

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



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Absolute maximum ratings

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V _{RSM}	V	30	
2	Peak Reverse Voltage	V _{RM}	V	30	
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	Tj	°C	-40 to 150	
7	Storage Temperature	T _{stg}	°C	-40 to 150	

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

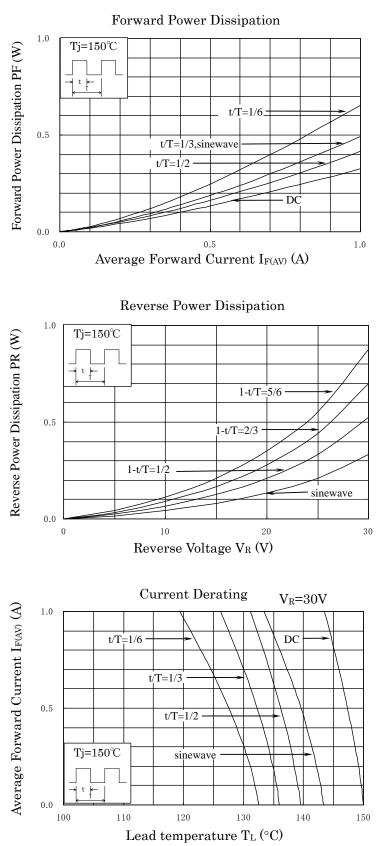
No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	$V_{\rm F}$	V	0.45 max.	I _F =1.0A
2	Reverse Leakage Current	I _R	μΑ	100 max.	V _R =V _{RM}
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	mA	35 max.	$V_R = V_{RM}, T_j = 150$ °C
4	Thermal Resistance	R _{th(j-l)}	°C/W	20 max.	Between Junction and Lead

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Characteristics



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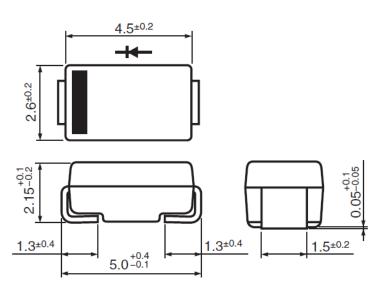
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Outline drawings

• 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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