May. 2016

General Description

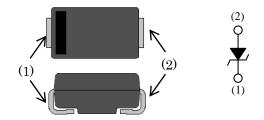
SJPM-H4 is a Schottky Diode for commercial frequency. Adopting compact SMD package achieves downsized PCB.

Applications

- · Bridge circuit
- · Reverse connection preventing circuit

Package

SJP



- (1) Cathode
- (2) Anode

Not to Scale

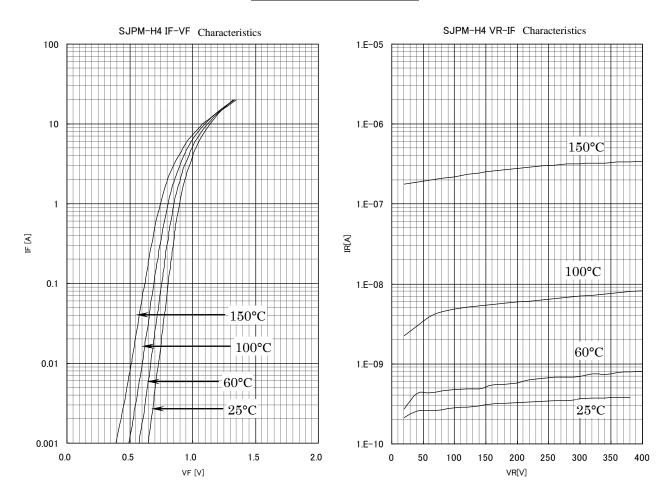
Features

- · Rectifier diode
- Compact SMD package

Key Specifications

Item	Rating	Unit	Conditions					
V_{RM}	400	V						
$V_{\rm F}$	1.10	V	I _F =2.0A					
I _{F(AV)}	2.0	A						

Typical Characteristics



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Absolute maximum ratings

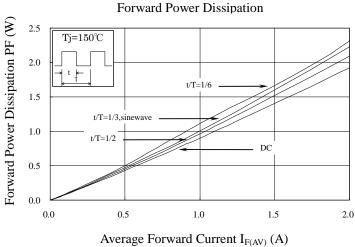
No.	Item	Symbol	Unit	Rating	Conditions
1 Transient Peak Reverse Voltage		V _{RSM}	V	400	
2 Peak Reverse Voltage		V_{RM}	V	400	
3 Average Forward Current		I _{F(AV)}	A	2.0	
4 Peak Surge Forward Current		I_{FSM}	A	45	Half sine-wave, one shot
5 I ² t Limiting Value		I^2t	A^2s	10.1	$1ms \le t \le 10ms$
6	Junction Temperature	T_{j}	°C	-40 to 150	
7	7 Storage Temperature		°C	-40 to 150	

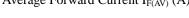
Electrical characteristics (Ta=25°C, unless otherwise specified)

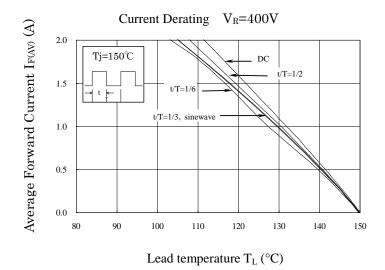
No.	No. Item		Unit	Value	Conditions
1	1 Forward Voltage Drop		V	1.10 max.	I _F =2.0A
2	2 Reverse Leakage Current		μΑ	10 max.	$V_R = V_{RM}$
3	Reverse Leakage Current Under High Temperature		μΑ	50 max.	$V_R=V_{RM}$, $T_j=150$ °C
4	4 Thermal Resistance		°C /W	20 max.	Between Junction and Lead

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Characteristics



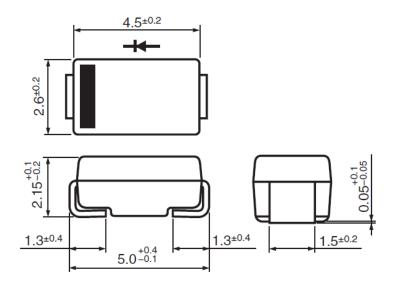




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Outline drawings

• SJP



NOTES:

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

Connection Diagram



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