

1. Scope
- The present specifications shall apply to an SJPX-H3.

2. Outline

Type	Silicon Diode
Structure	Resin Molded
Applications	High Frequency Rectification

3. Flammability
- UL94V-0(Equivalent)

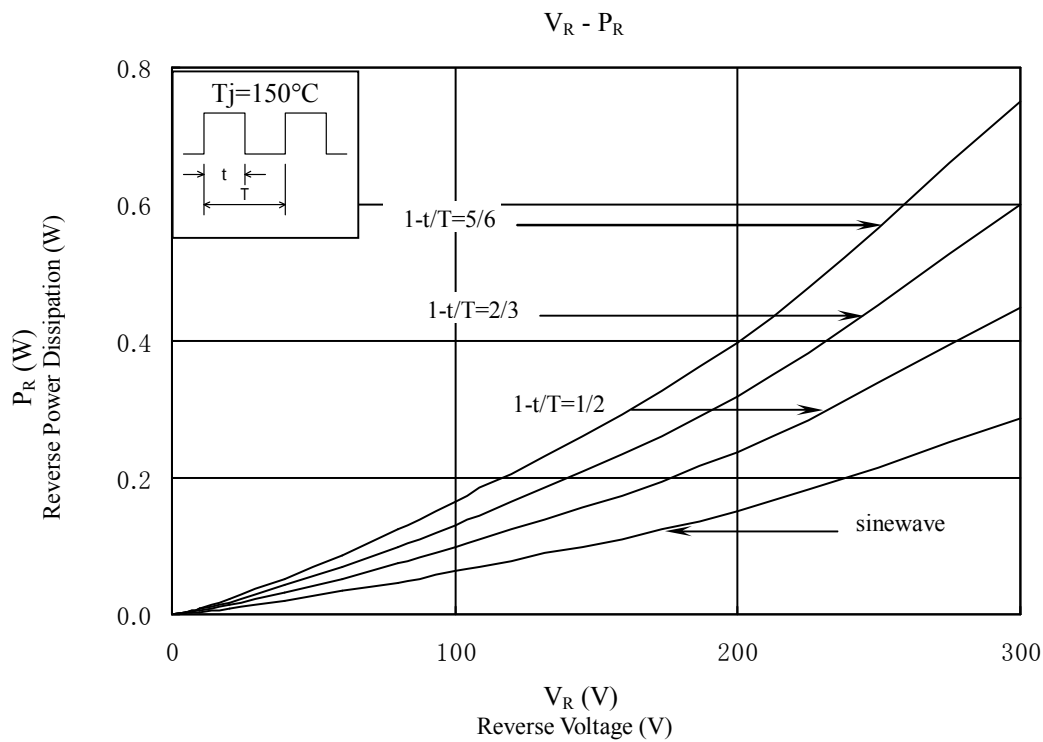
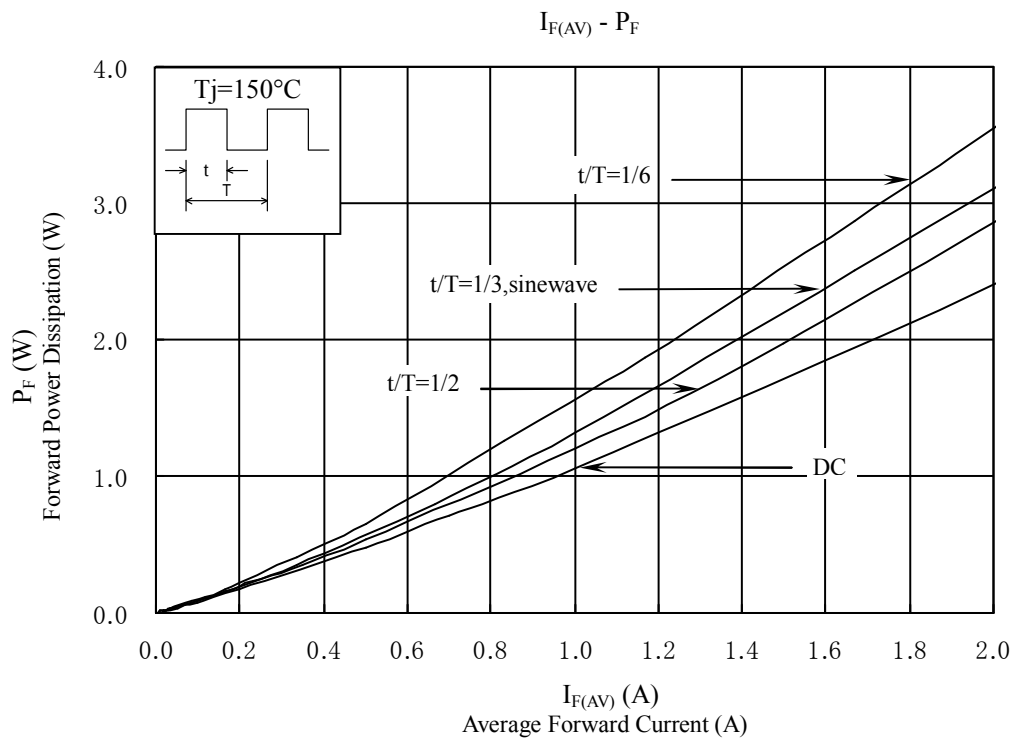
4. Absolute maximum ratings

No.	Item	Symbol	Unit	Rating	Conditions
1	Transient Peak Reverse Voltage	V_{RSM}	V	300	
2	Peak Reverse Voltage	V_{RM}	V	300	
3	Average Forward Current	$I_{F(AV)}$	A	2.0	Refer to Derating of 7
4	Peak Surge Forward Current	I_{FSM}	A	20	10msec. Half sinewave, one shot
5	I^2t Limiting Value	I^2t	A ² S	2.0	1msec $\leq t \leq$ 10msec
6	Junction Temperature	T_j	°C	-40~+150	
7	Storage Temperature	T_{stg}	°C	-40~+150	

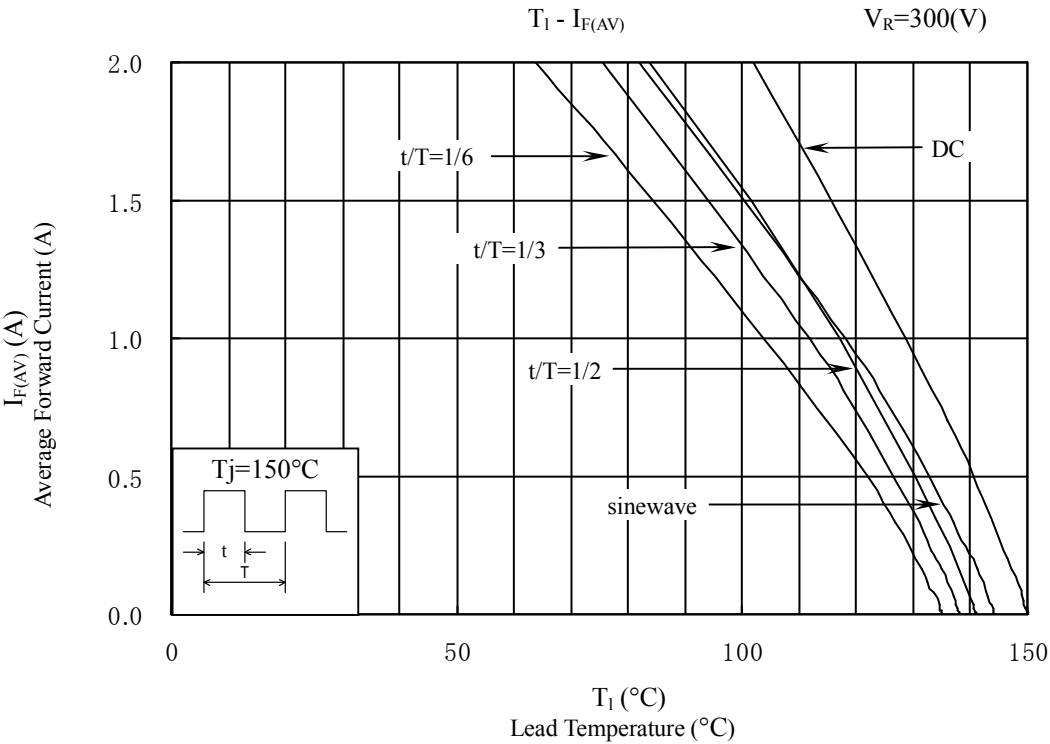
5. Electrical characteristics (Ta=25°C , unless otherwise specified)

No.	Item	Symbol	Unit	Value	Conditions
1	Forward Voltage Drop	V_F	V	1.3 max.	$I_F=2.0A$
2	Reverse Leakage Current	I_R	uA	50 max.	$V_R=V_{RM}$
3	Reverse Leakage Current Under High Temperature	$H \cdot I_R$	mA	3.0 max.	$V_R=V_{RM}$, $T_j=150^\circ C$
4	Reverse Recovery Time	t_{rr1}	ns	30 max.	$I_F=I_{RP}=100mA$ 90% Recovery point, $T_j=25^\circ C$
		t_{rr2}	ns	25 max.	$I_F=100mA$, $I_{RP}=200mA$ 75% Recovery point, $T_j=25^\circ C$
5	Thermal Resistance	$R_{th(j-l)}$	°C /W	20 max.	Between Junction and Lead

6. Characteristics

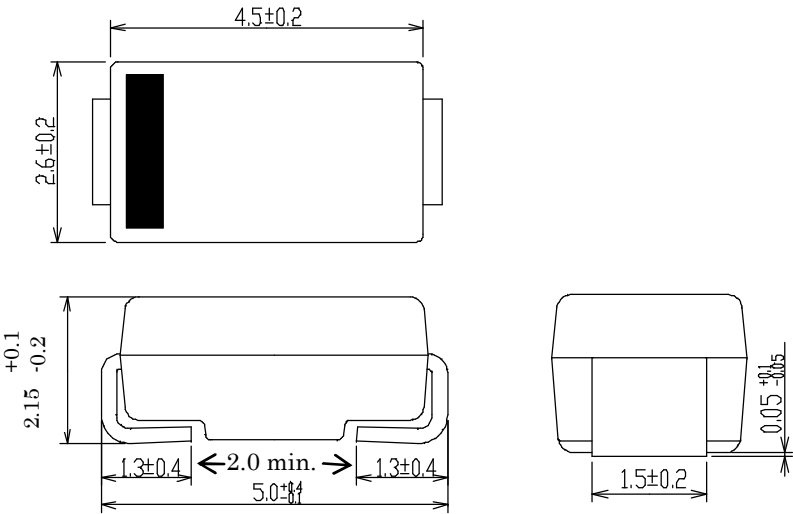


7. Derating



8. Package information

8-1Package type, physical dimensions and material



Dimensions in mm

8-2Appearance

The body shall be clean and shall not bear any stain, rust or flaw.

8-3Marking

Polarity marking (Cathode band)

Type number
SJPX-H3 as abbreviated of XH3

Lot number
Example) 6509
6: Last number of Year
5: Month from 1 to 9 for Jan. to Sep.
O for Oct. , N for Nov. , D for Dec.
09: Day

