

Schottky Barrier Diode

RB080L-30

Applications

General rectification

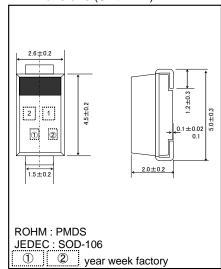
● Features

- 1)Small power mold type. (PMDS)
- 2)High reliability
- 3)Low V_F

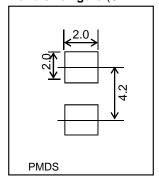
Structure

Silicon epitaxial planer

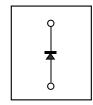
●Dimensions (Unit:mm)



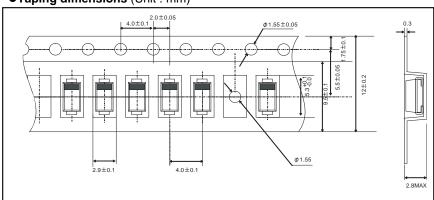
●Land size figure (Unit : mm)







●Taping dimensions (Unit: mm)



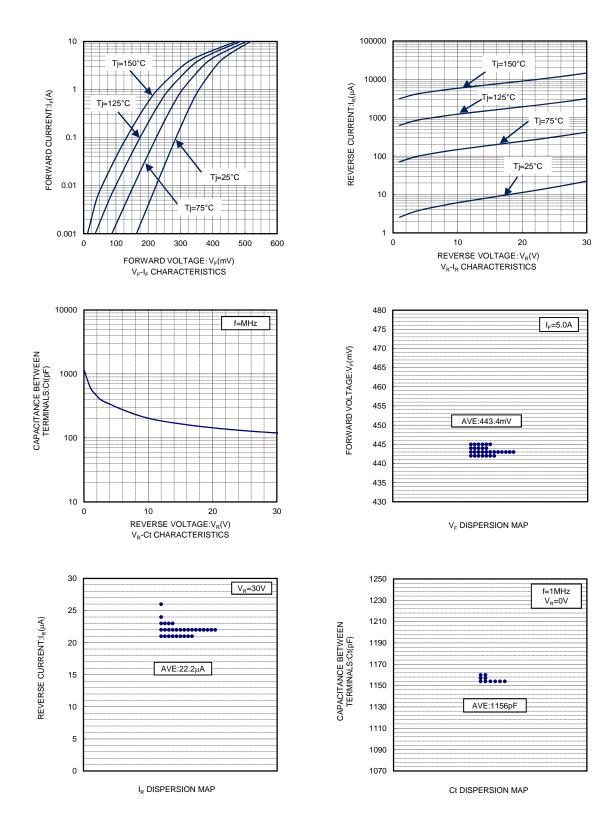
●Absolute maximum ratings (Ta=25°C)

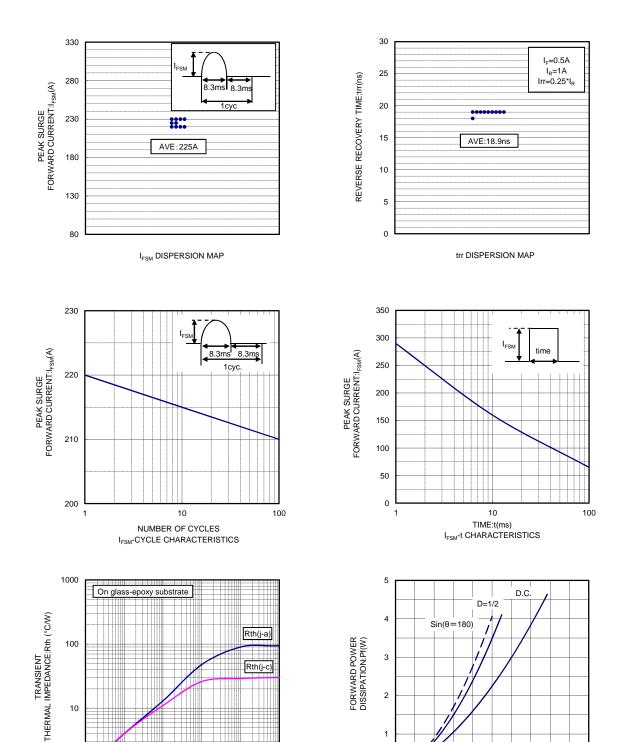
Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive)	V_{RM}	30	V			
Reverse voltage (DC)	V_R	30	V			
Average rectified forward current (*1)	lo	5	Α			
Forward current surge peak (60Hz • 1cyc)	I _{FSM}	70	Α			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-40 to +150	°C			

^(*1)Alumina substrate at the time of assemble 180° Half Sine Wave, Tc=100°C MAX.

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.51	V	I _F =5.0A
Reverse current	I _R	-	-	150	μA	V _R =30V





0.01

0.1

10

TIME:t(s) Rth-t CHARACTERISTICS 1000

100

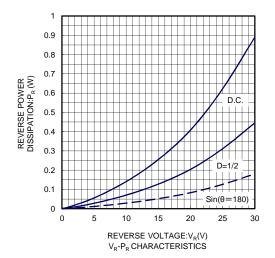
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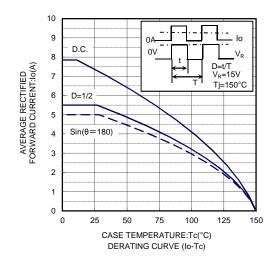
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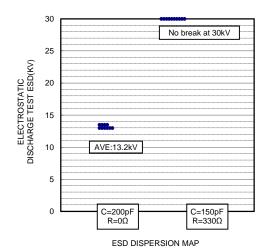
AVERAGE RECTIFIED FORWARD CURRENT: Io(A)

Io-Pf CHARACTERISTICS

10







Notes

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