

Schottky Barrier Diode

RB068L100

●Applications

General rectification

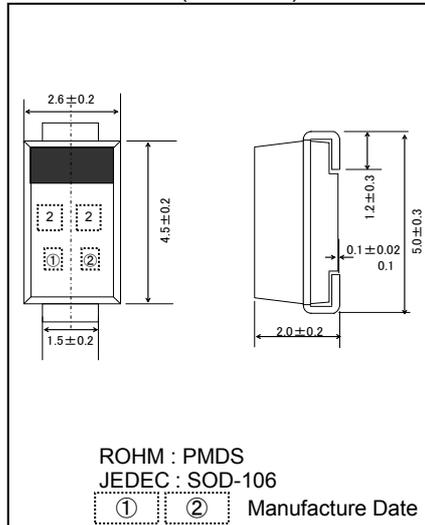
●Features

- 1) Small power mold type. (PMDS)
- 2) High reliability.
- 3) Low I_R .
- 4) AEC-Q101 qualified

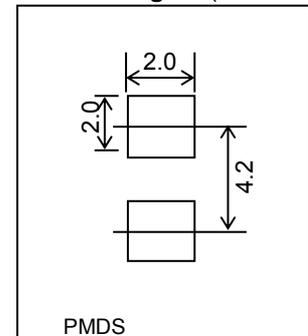
●Construction

Silicon epitaxial planer

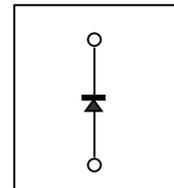
●Dimensions (Unit : mm)



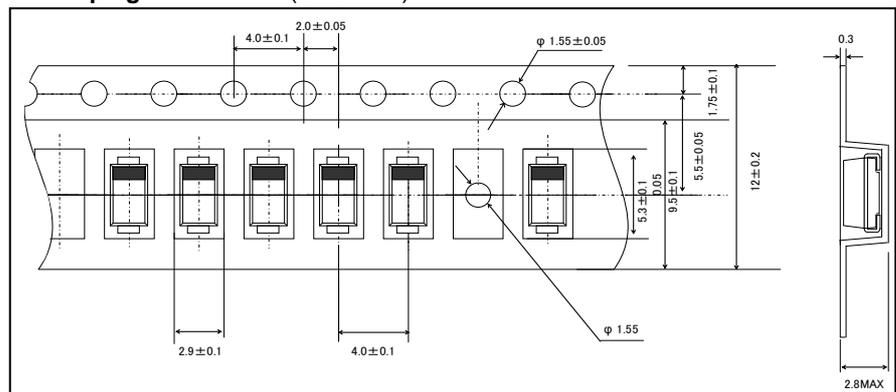
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



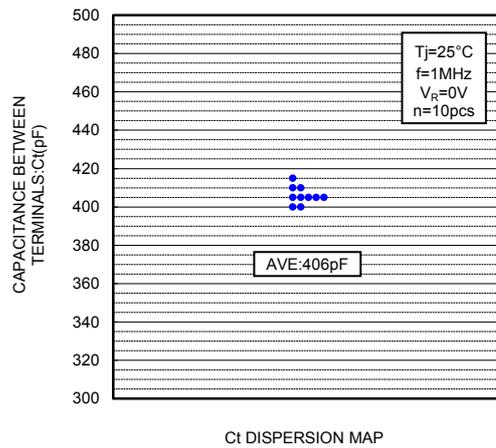
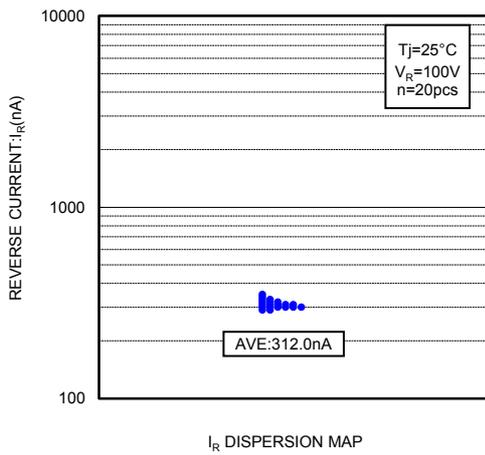
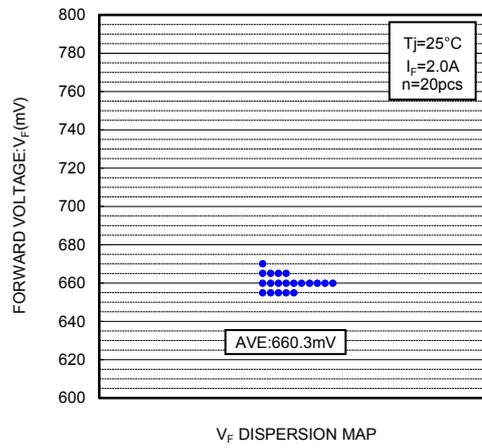
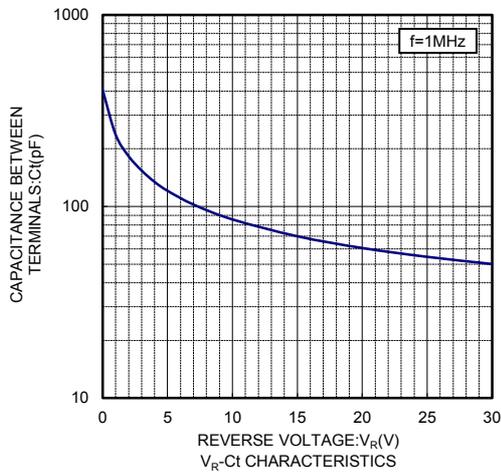
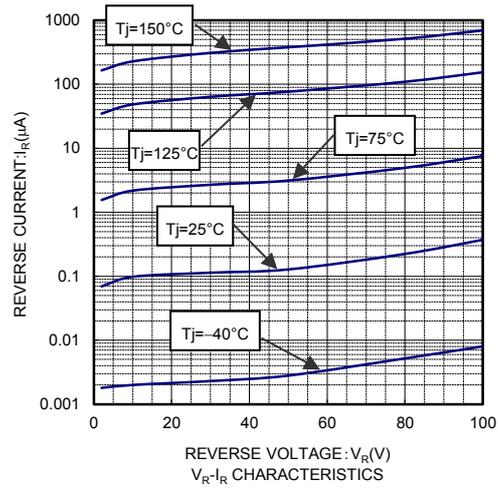
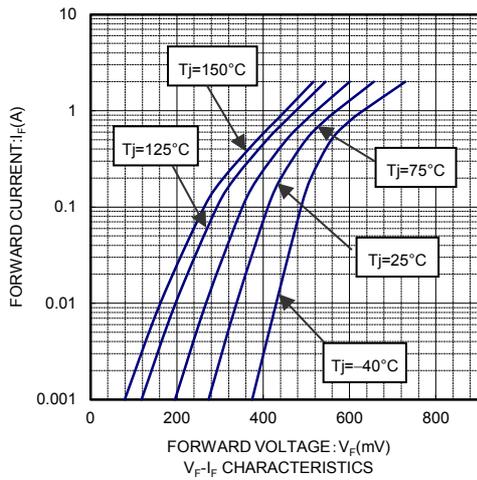
●Absolute maximum ratings (Ta=25°C)

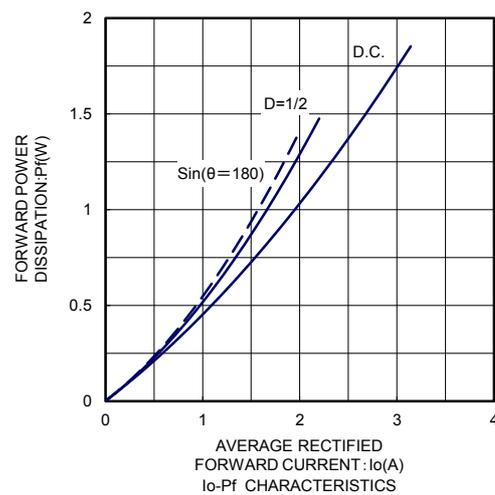
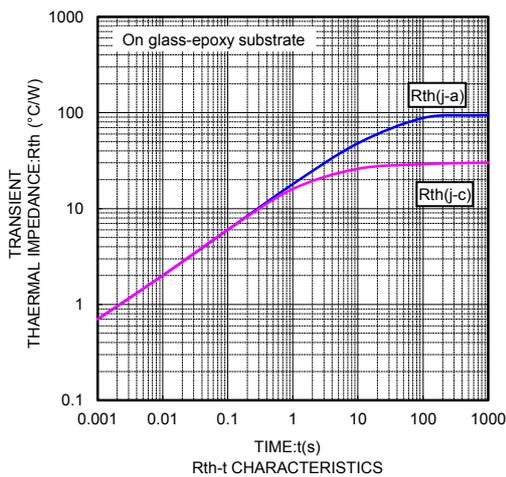
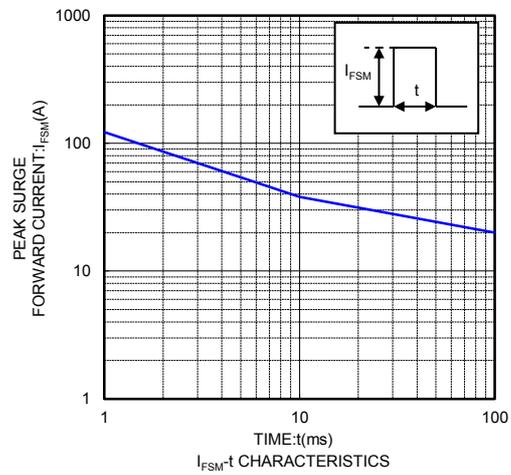
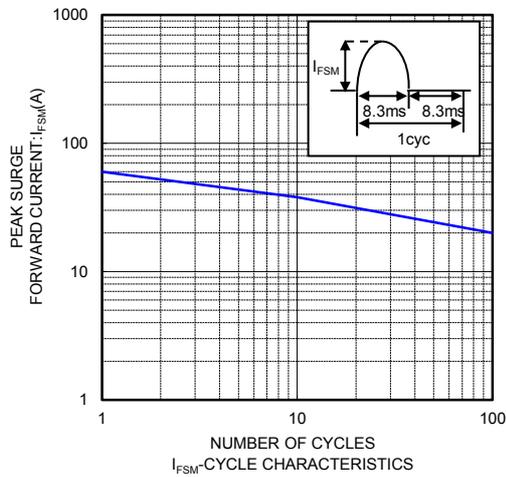
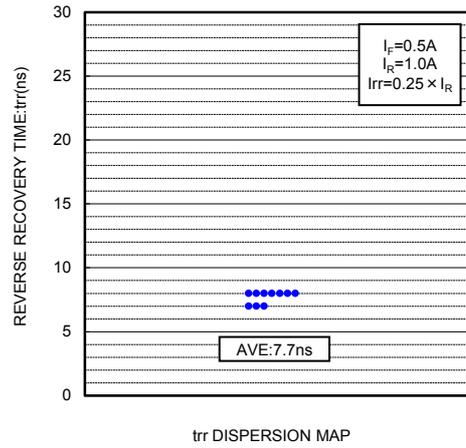
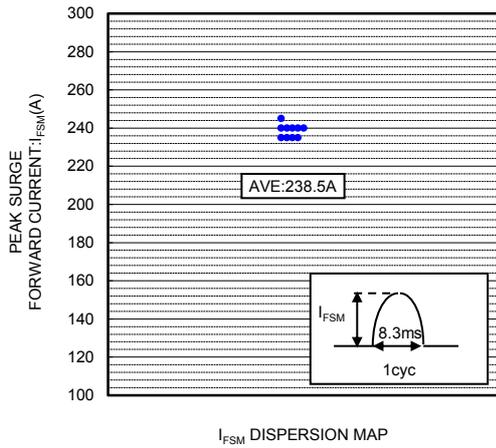
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	100	V
Reverse voltage (DC)	V_R	100	V
Average rectified forward current (*1)	I_o	2	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	60	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

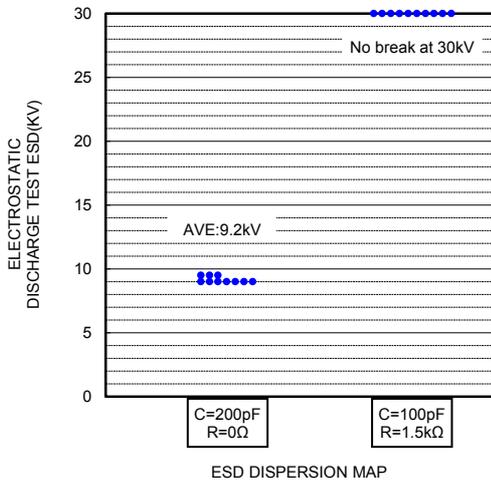
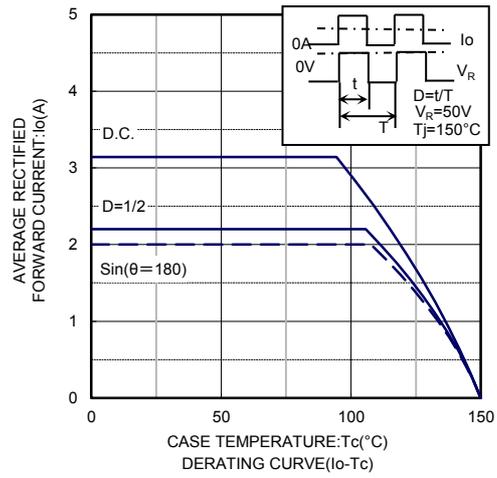
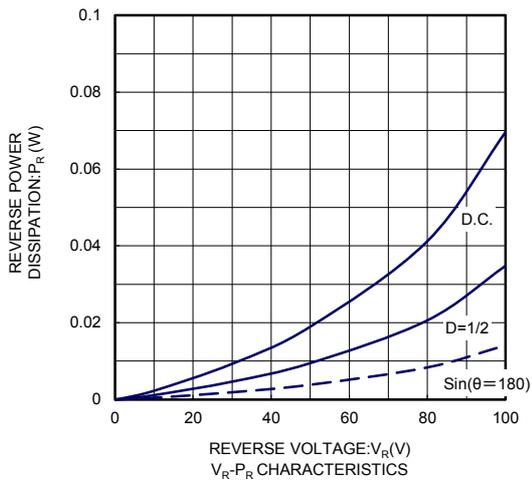
(*1) Mounted on epoxy board, 60Hz half sine wave, $T_c=83^\circ\text{C}$ Max.

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.80	V	$I_F=2.0\text{A}$
Reverse current	I_R	-	-	50	μA	$V_R=100\text{V}$







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