

Schottky Barrier Diode

RB162L-40

● **Applications**

General rectification

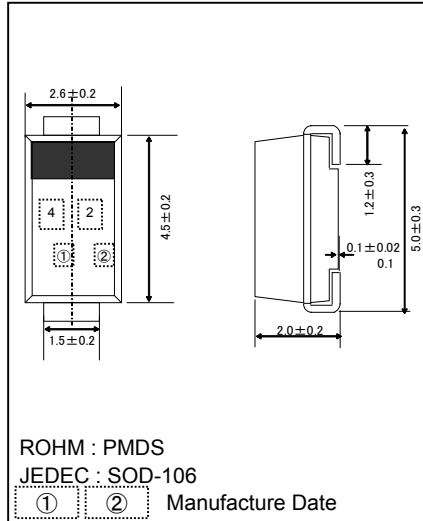
● **Features**

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

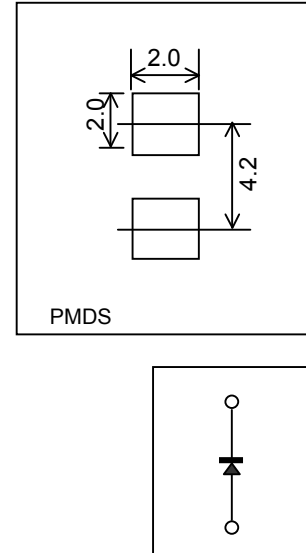
● **Structure**

Silicon epitaxial planer

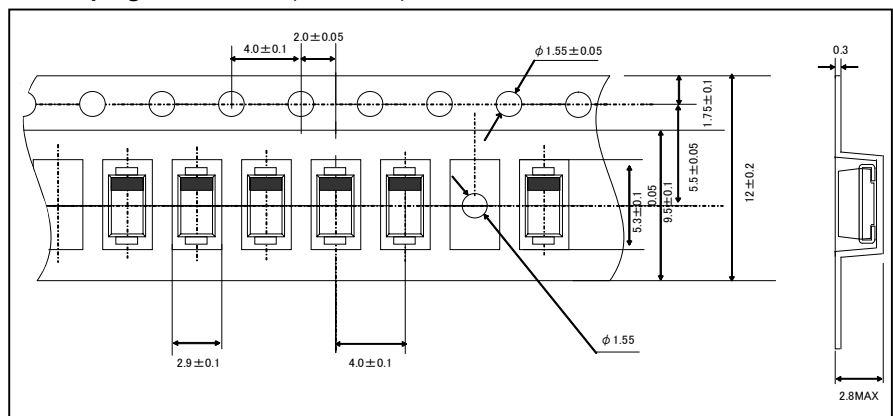
● **Dimensions (Unit : mm)**



● **Land size figure (Unit : mm)**



● **Taping dimensions (Unit : mm)**



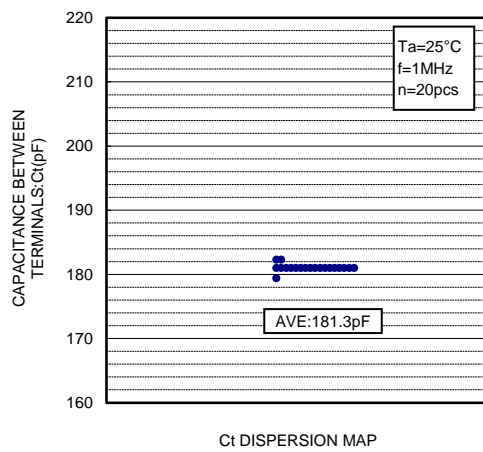
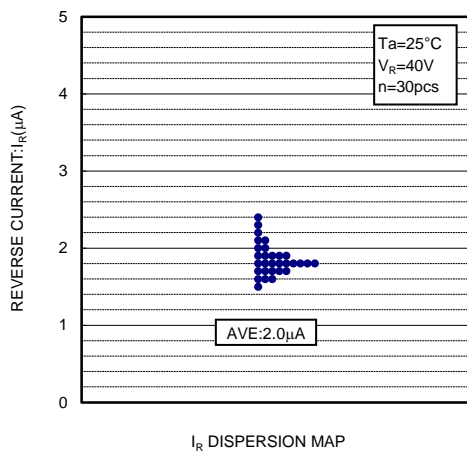
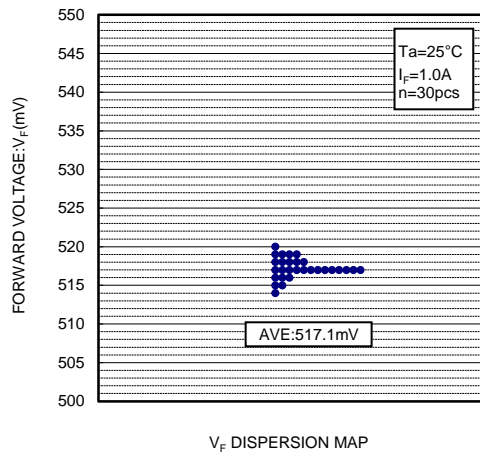
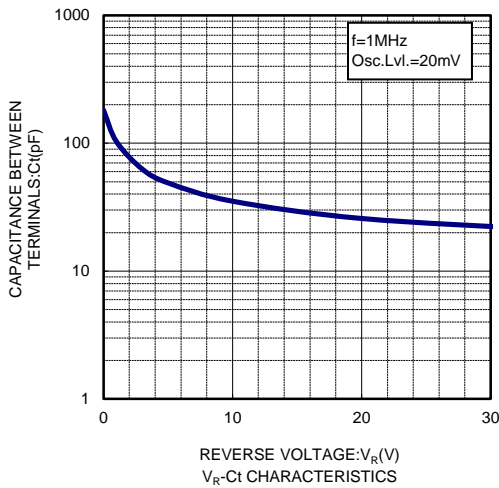
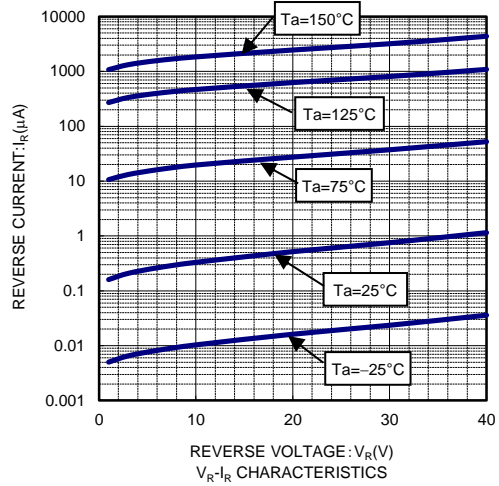
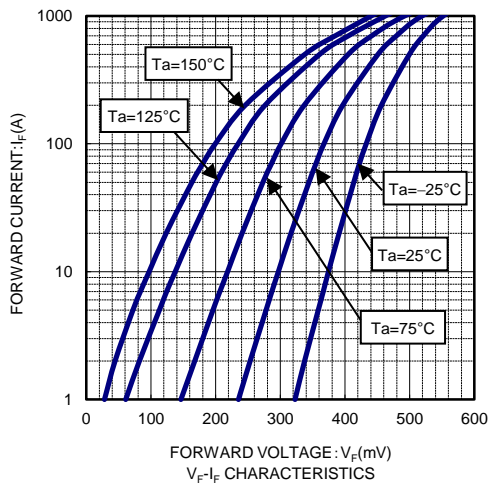
● **Absolute maximum ratings (Ta=25°C)**

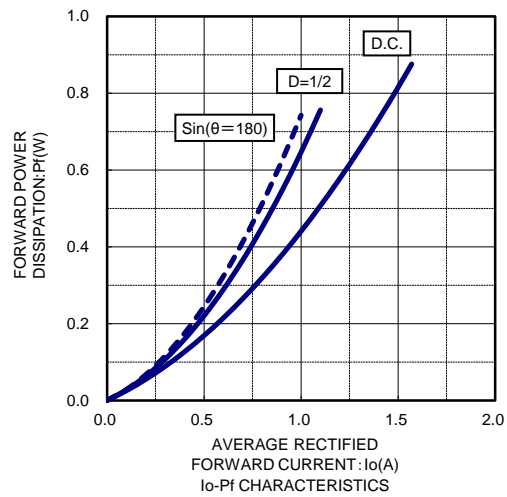
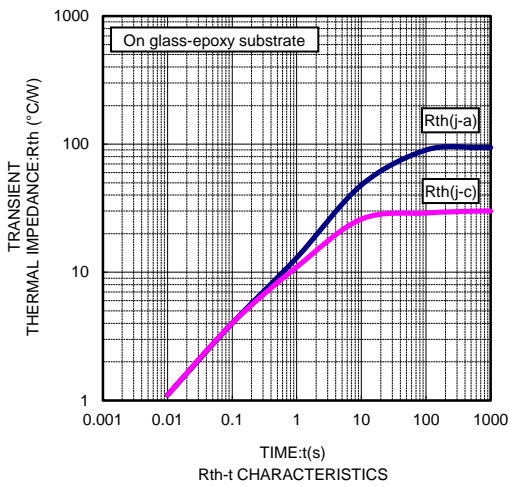
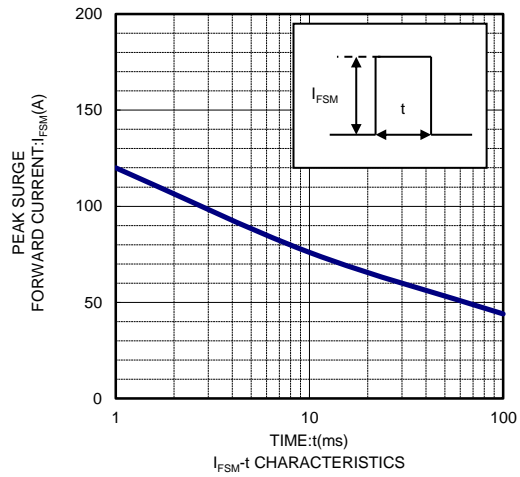
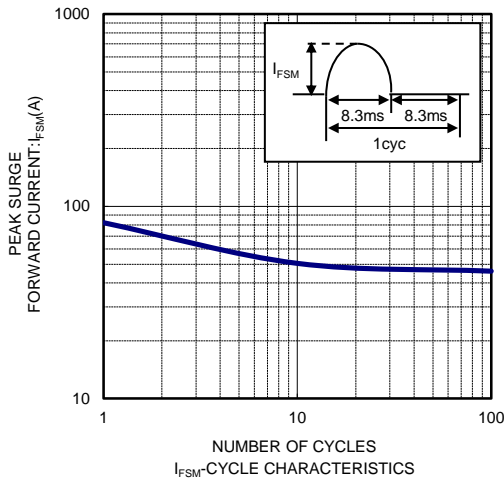
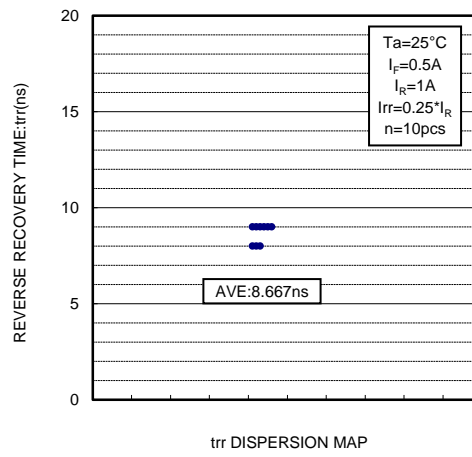
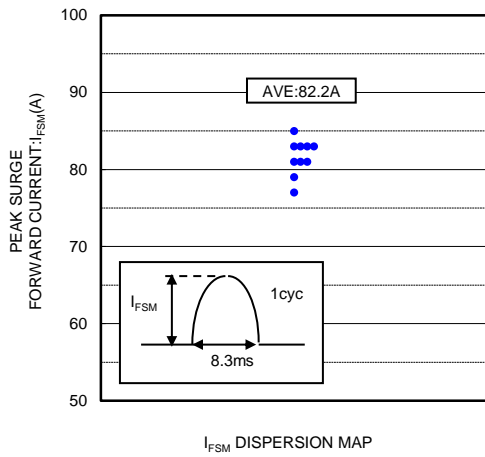
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	I_o	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	20	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

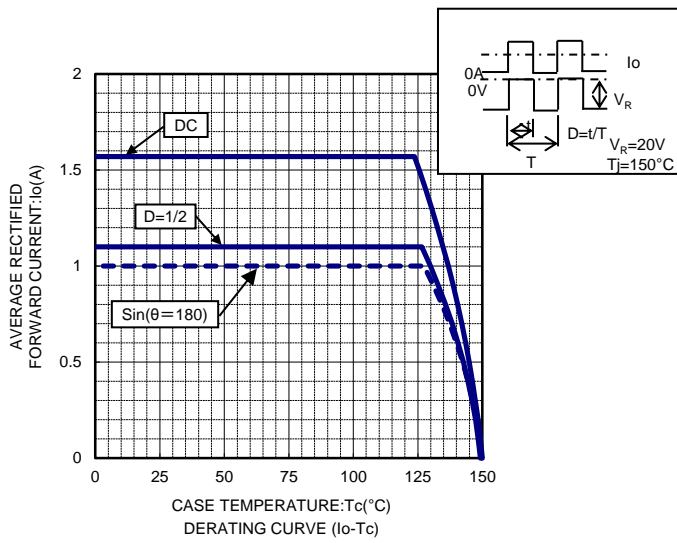
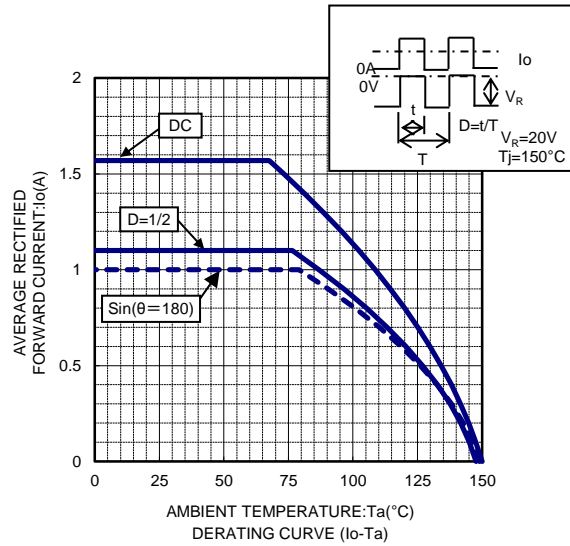
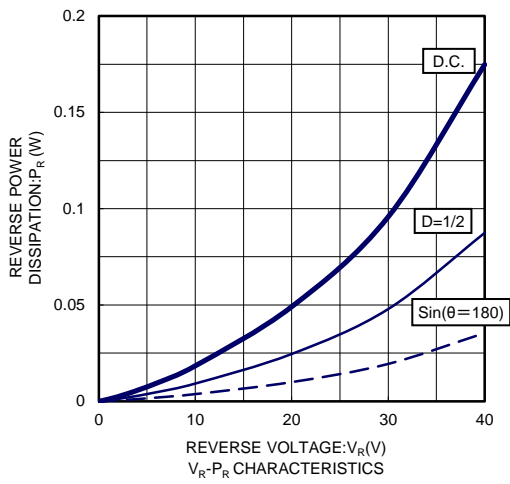
(*1) Mounted on glass epoxy board

● **Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.55	V	$I_F=1.0A$
Reverse current	I_R	-	-	0.1	mA	$V_R=40V$







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