

# Schottky Barrier Diode

**RB162L-40**

● **Applications**

General rectification

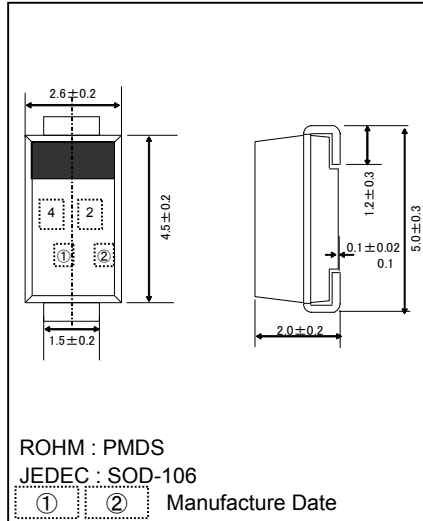
● **Features**

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

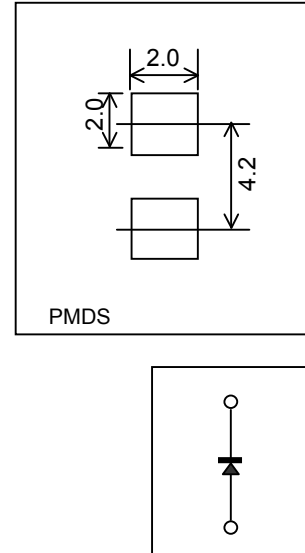
● **Structure**

Silicon epitaxial planer

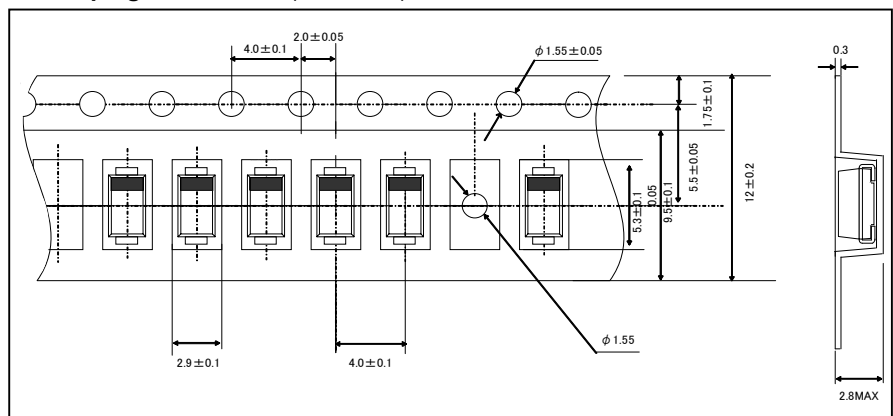
● **Dimensions (Unit : mm)**



● **Land size figure (Unit : mm)**



● **Taping dimensions (Unit : mm)**



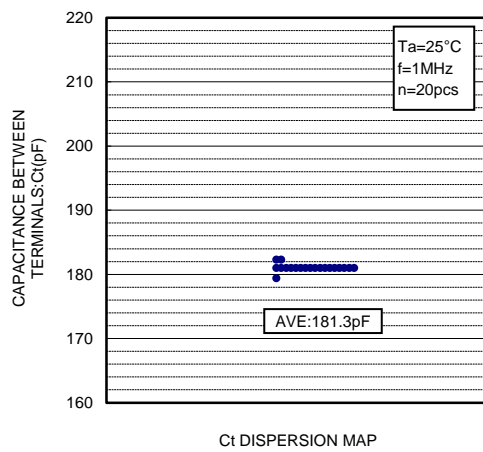
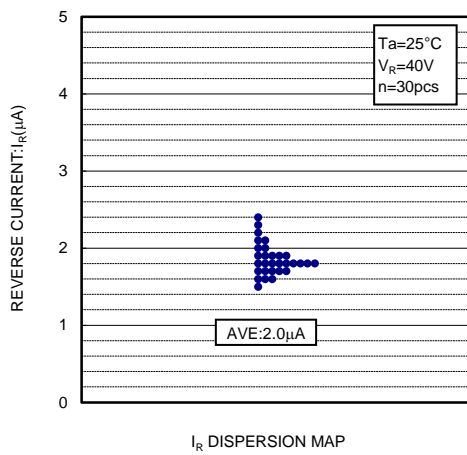
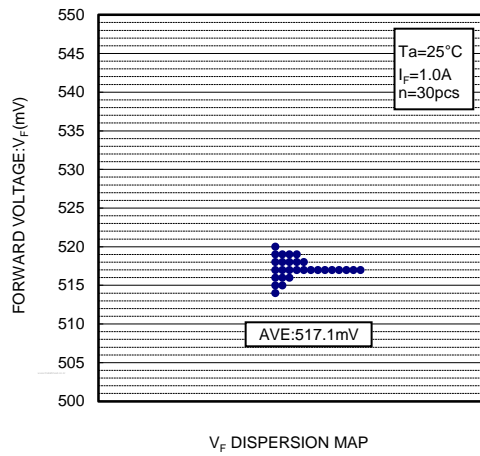
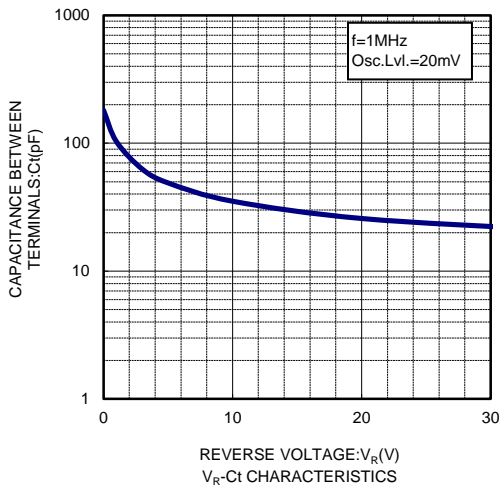
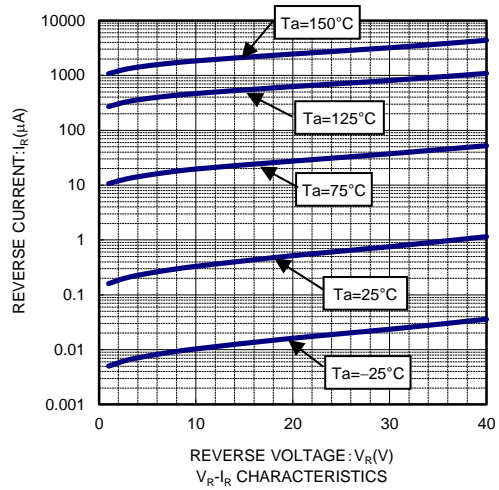
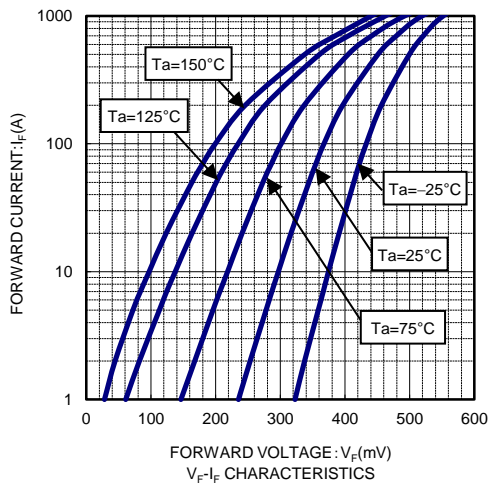
● **Absolute maximum ratings (Ta=25°C)**

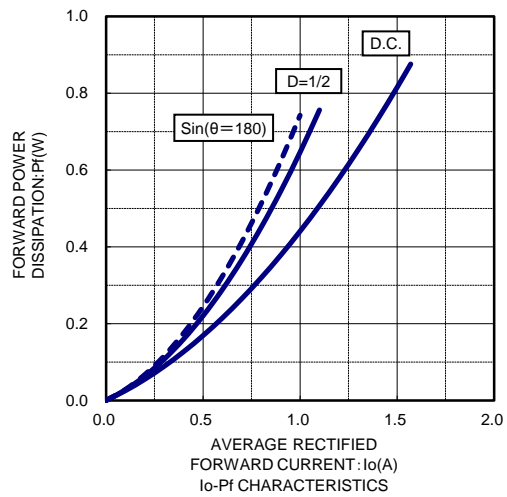
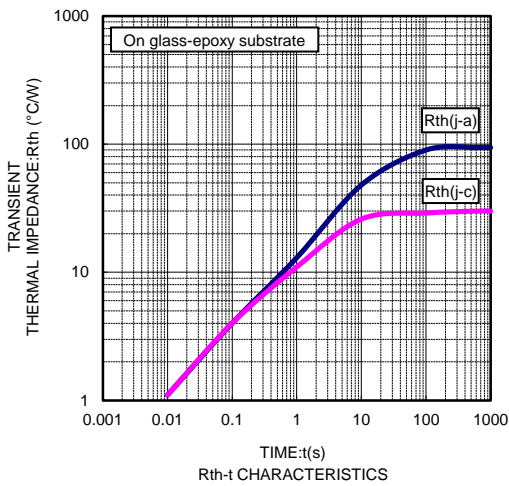
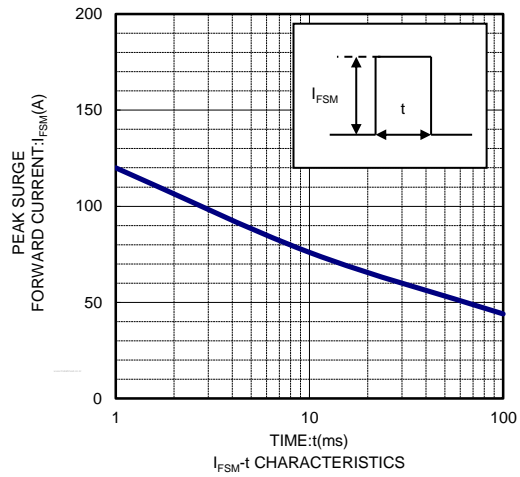
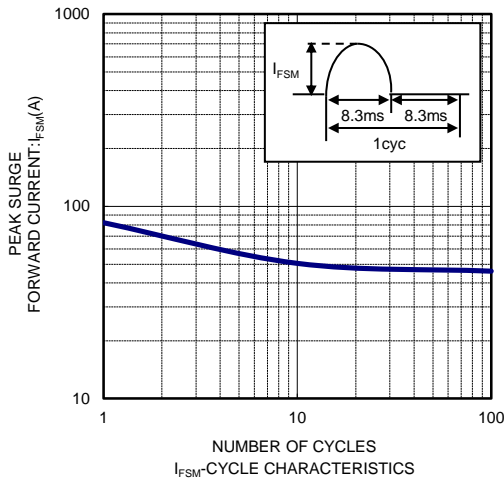
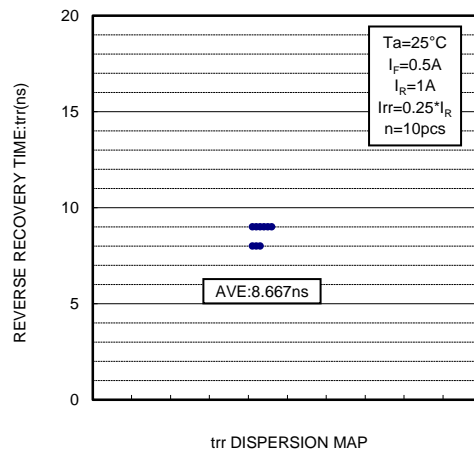
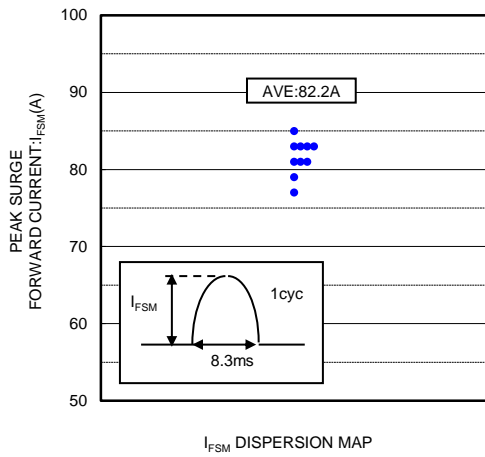
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current (*1)	$I_o$	1	A
Forward current surge peak (60Hz · 1cyc)	$I_{FSM}$	20	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

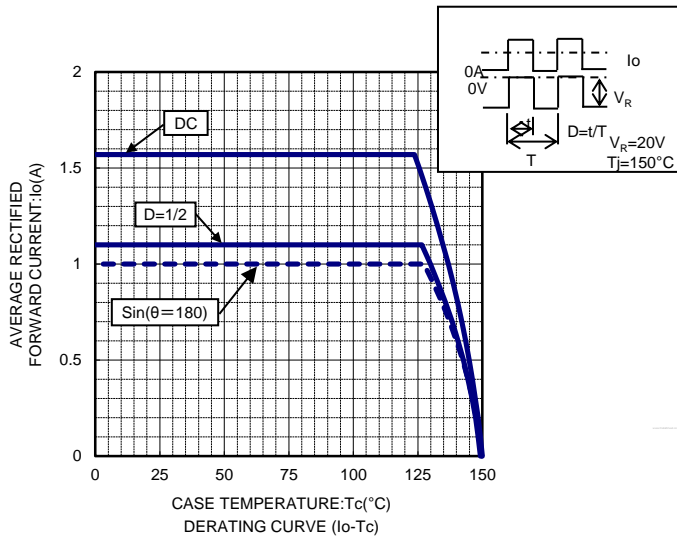
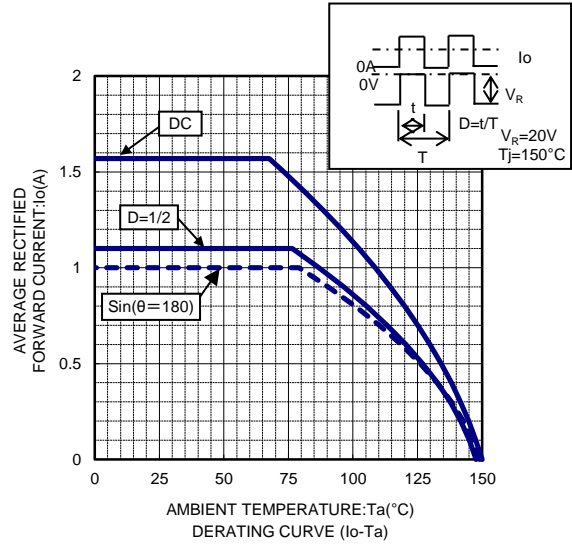
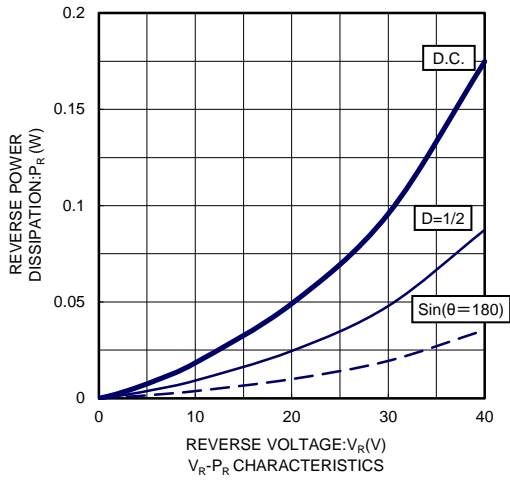
(\*1) Mounted on glass epoxy board

● **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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