

# Schottky Barrier Diode

## RB162M-40

● **Applications**

General rectification

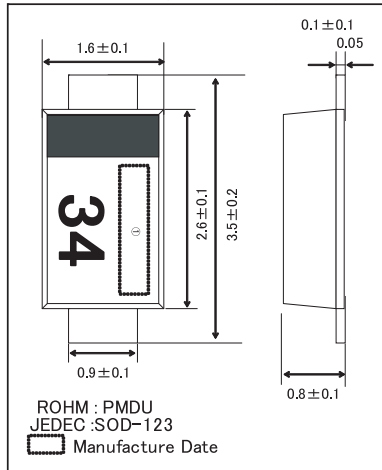
● **Features**

- 1) Small power mold type.(PMDU)
- 2) Low  $I_R$
- 3) High reliability

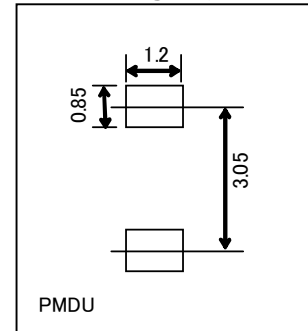
● **Construction**

Silicon epitaxial planar

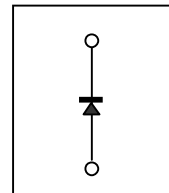
● **Dimensions**(Unit : mm)



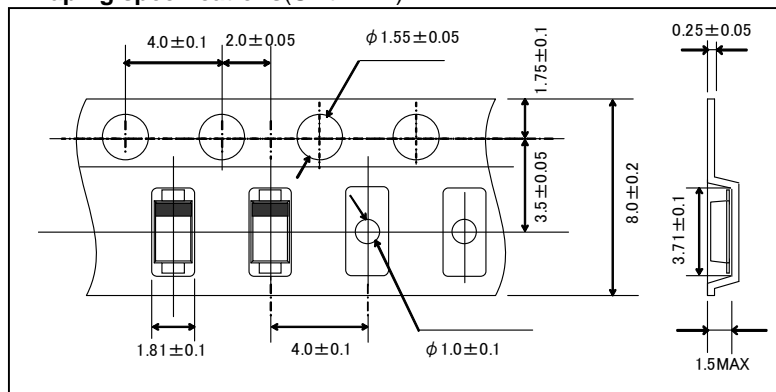
● **Land size figure**(Unit : mm)



● **Structure**



● **Taping specifications**(Unit : mm)



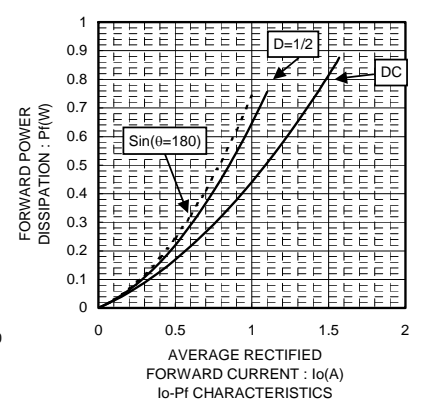
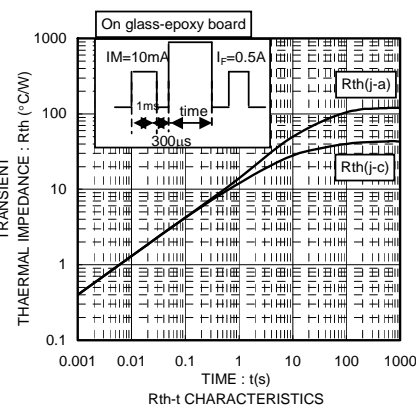
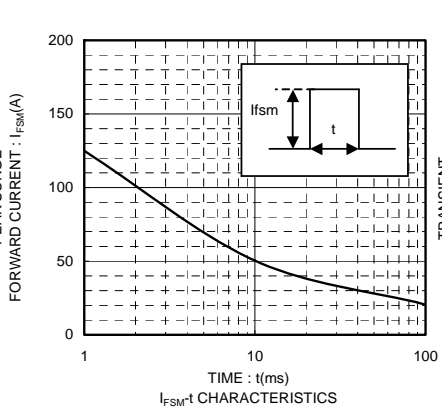
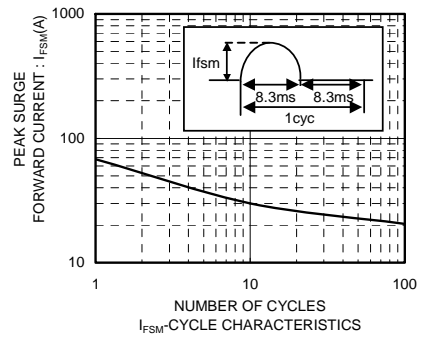
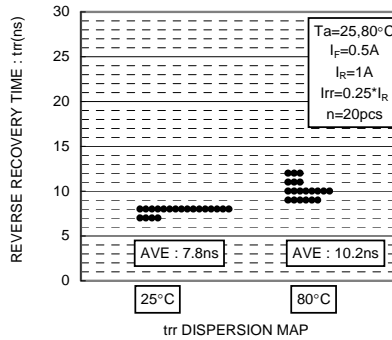
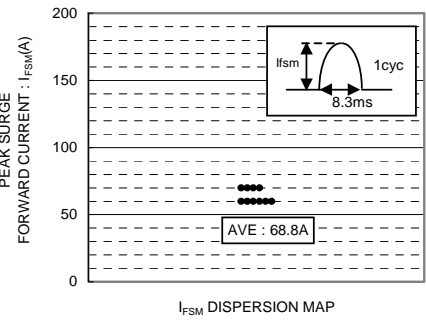
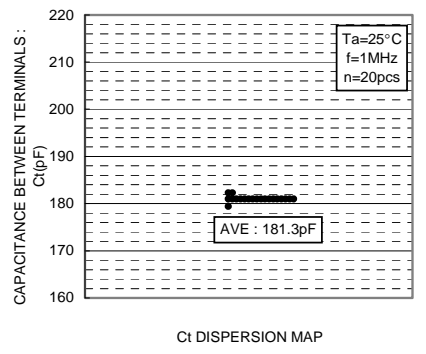
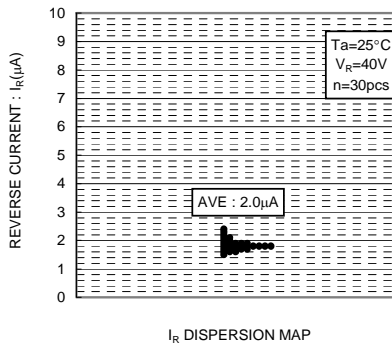
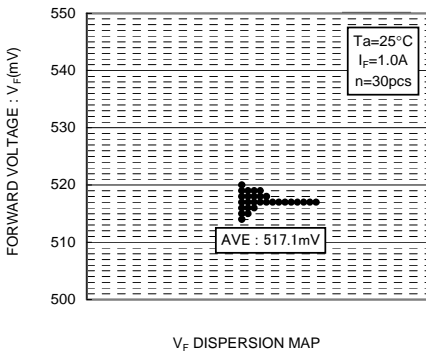
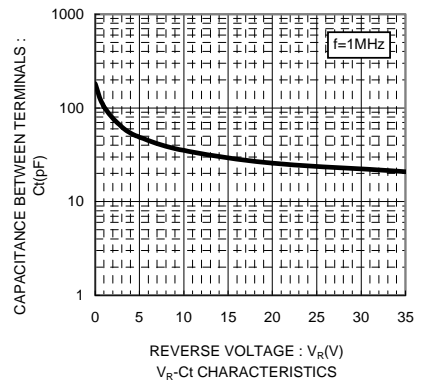
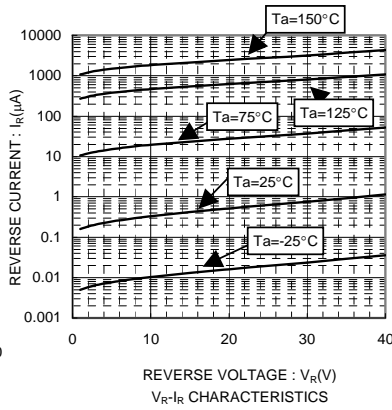
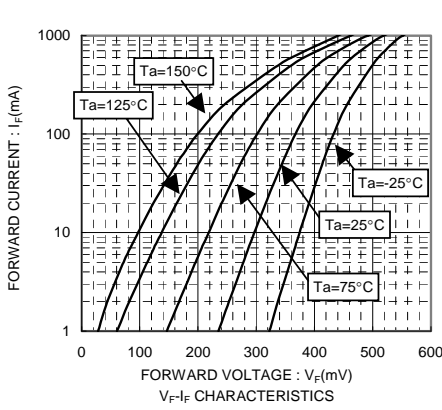
● **Absolute maximum ratings**( $T_a=25^\circ\text{C}$ )

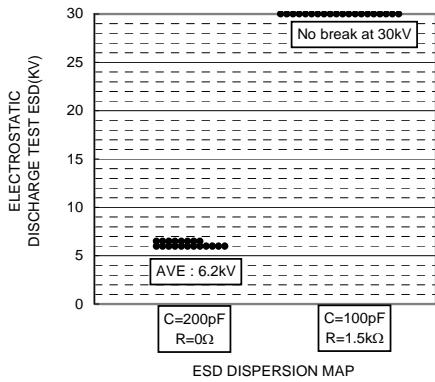
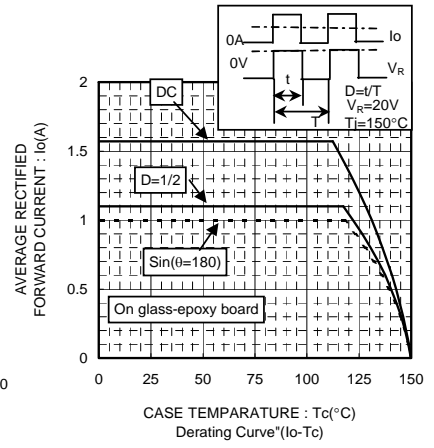
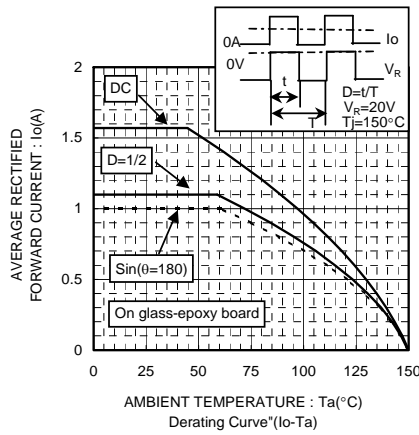
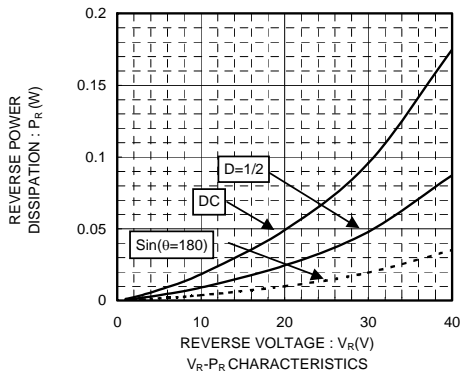
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current (*1)	$I_o$	1	A
Forward current surge peak (60Hz / 1cyc)	$I_{FSM}$	30	A
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +150	$^\circ\text{C}$

(\*1) Mounted on epoxy board. ( $T_c=100^\circ\text{C MAX}$ )

● **Electrical characteristics**( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.55	V	$I_F=1\text{A}$
Reverse current	$I_R$	-	-	100	$\mu\text{A}$	$V_R=40\text{V}$





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