

Schottky Barrier Diode

RB162M-60

●Applications

General rectification

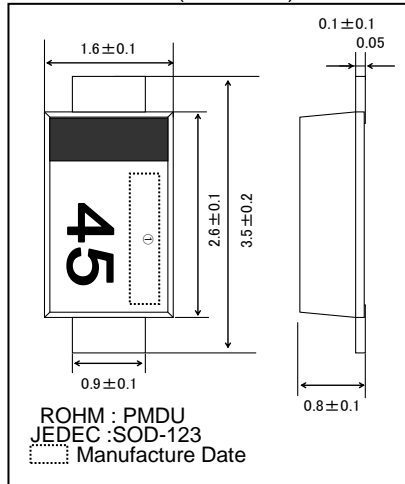
●Features

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

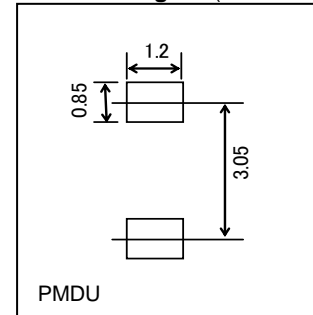
●Construction

Silicon epitaxial planer

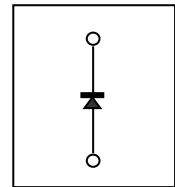
●Dimensions (Unit : mm)



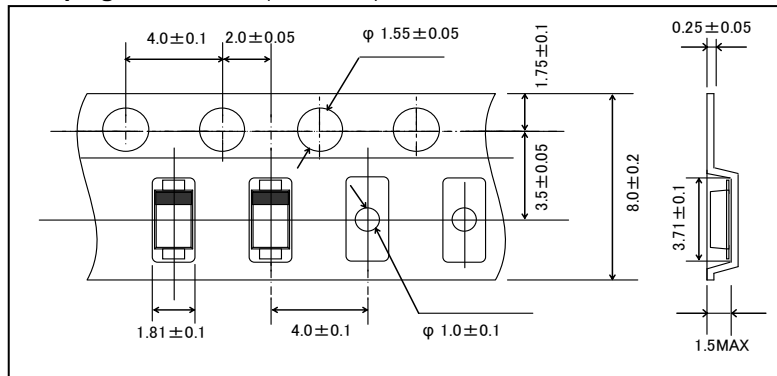
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



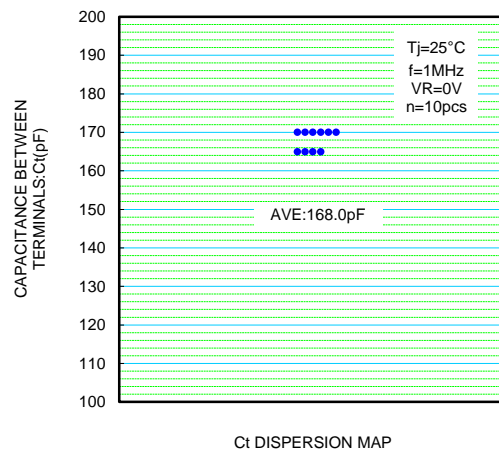
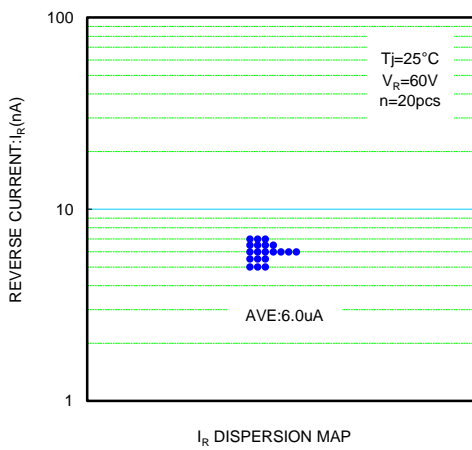
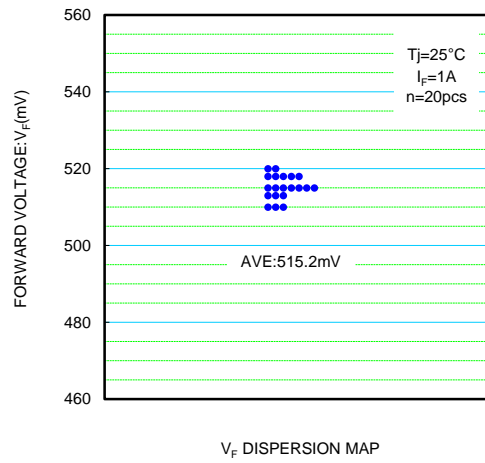
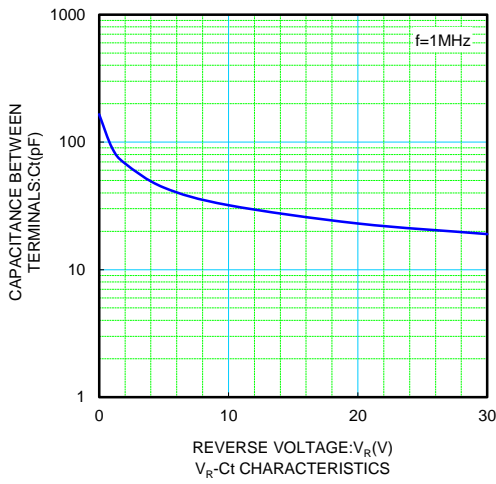
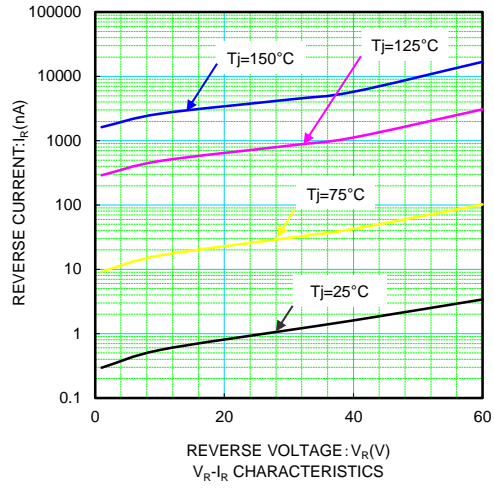
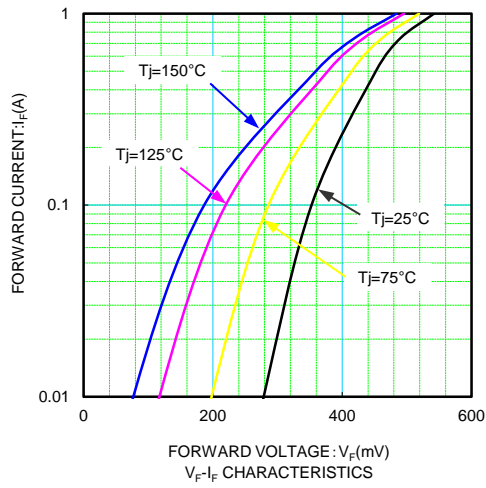
●Absolute maximum ratings (Ta=25°C)

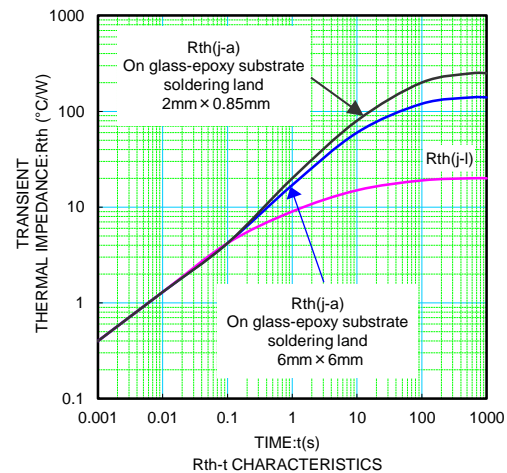
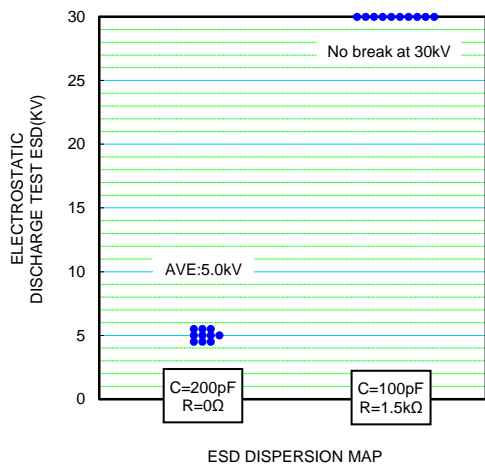
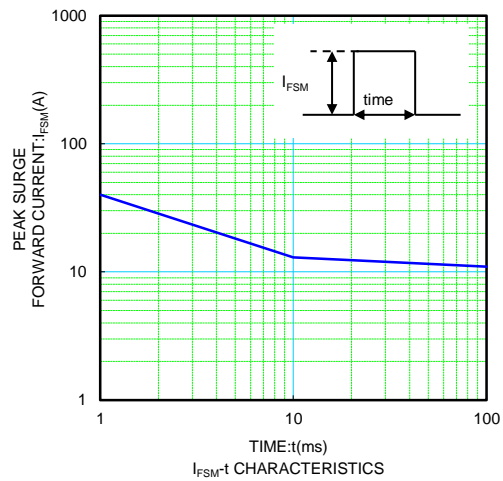
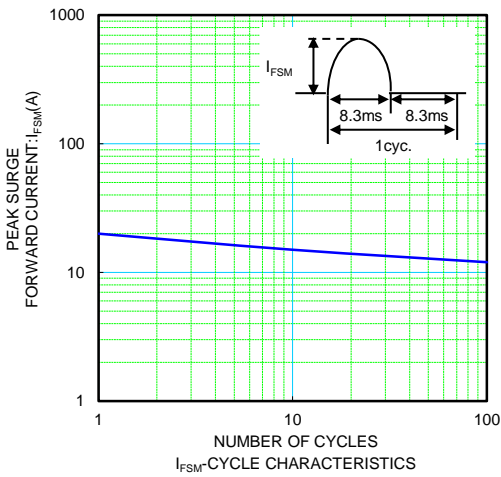
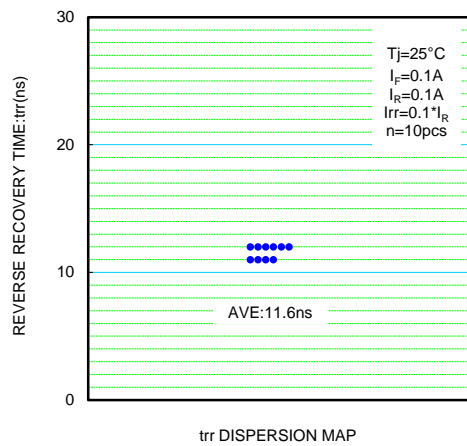
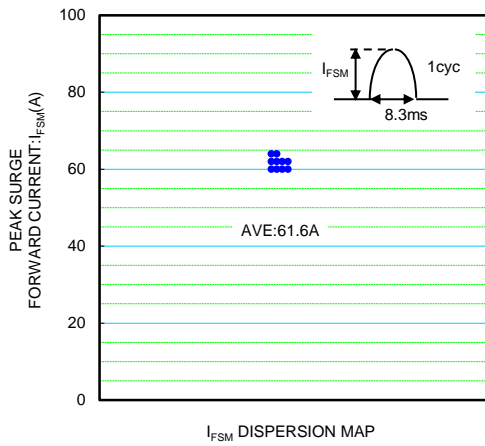
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	60	V
Reverse voltage (DC)	V_R	60	V
Average rectified forward current (*1)	I_o	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	20	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

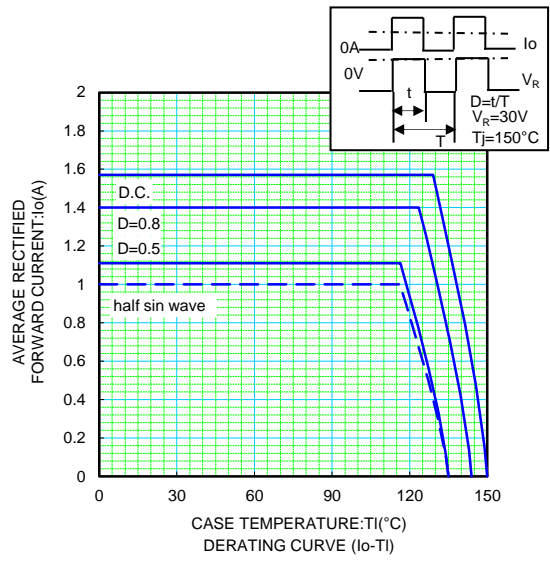
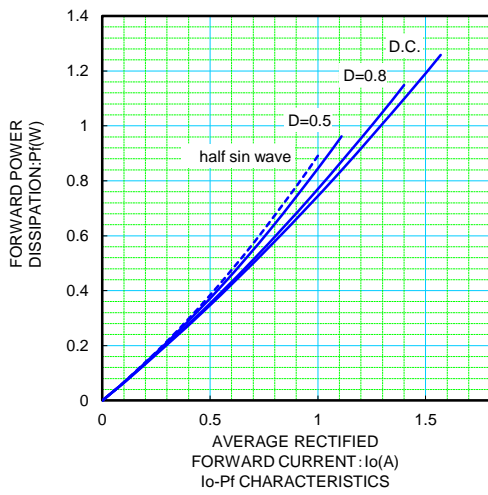
(*1) Mounting on glass epoxy board $T_c=90^\circ\text{C}$ max.

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.65	V	$I_F=1\text{A}$
Reverse current	I_R	-	-	100	μA	$V_R=60\text{V}$







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