

# Schottky Barrier Diode

**RB060M-60**

● **Applications**

General rectification

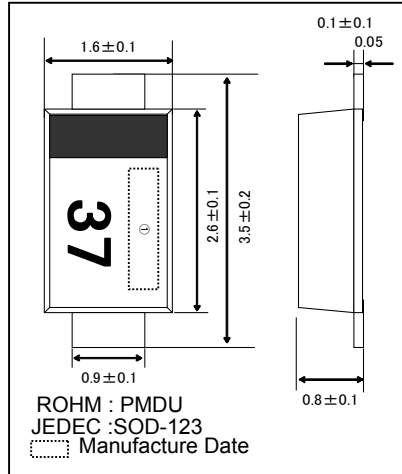
● **Features**

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

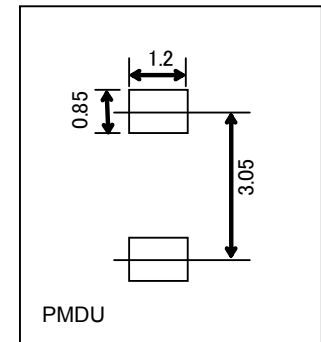
● **Construction**

Silicon epitaxial

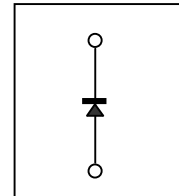
● **Dimensions (Unit : mm)**



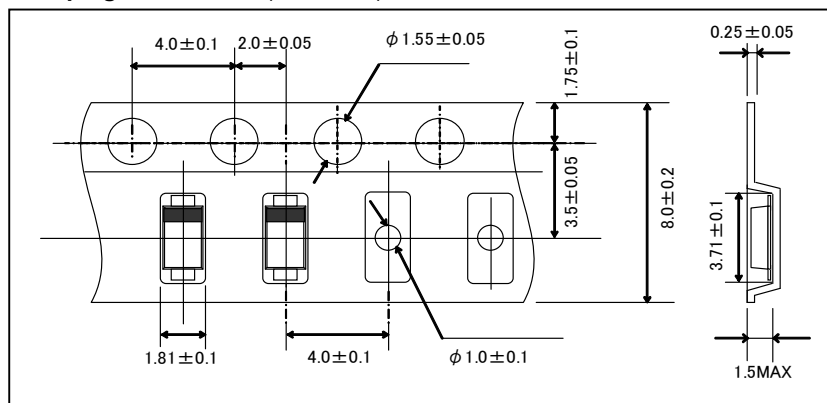
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



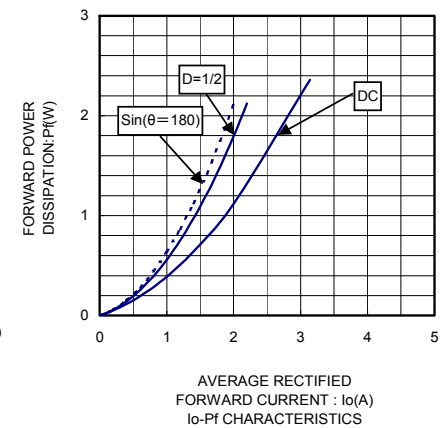
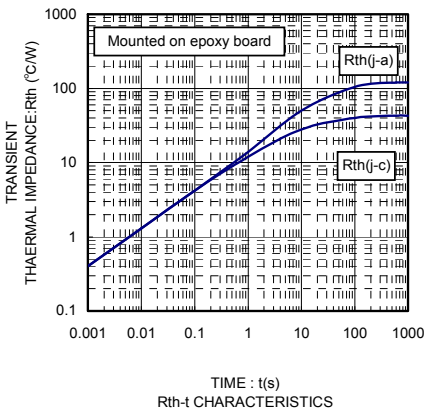
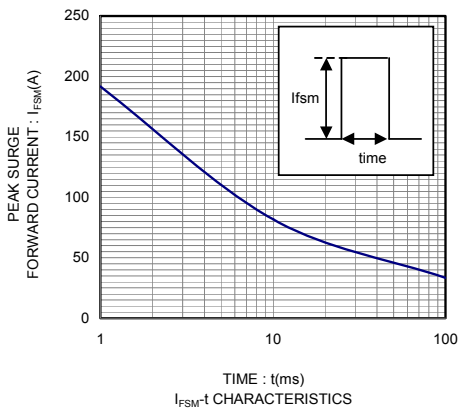
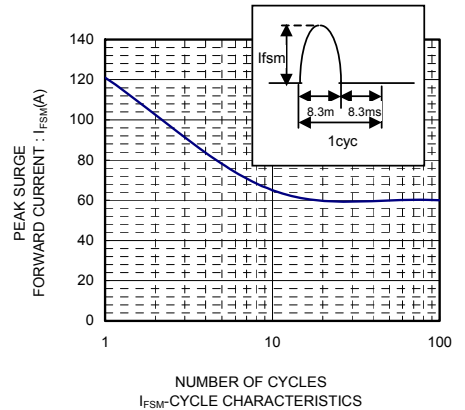
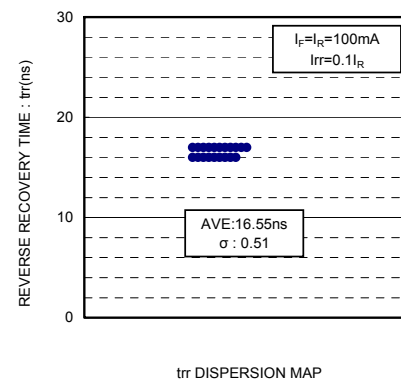
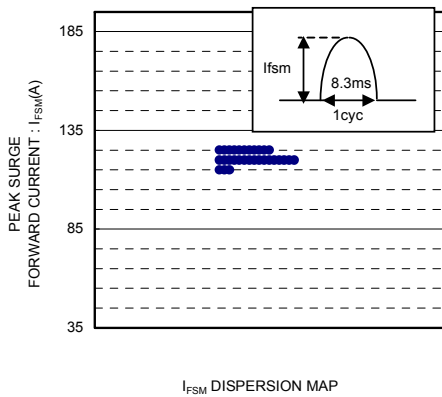
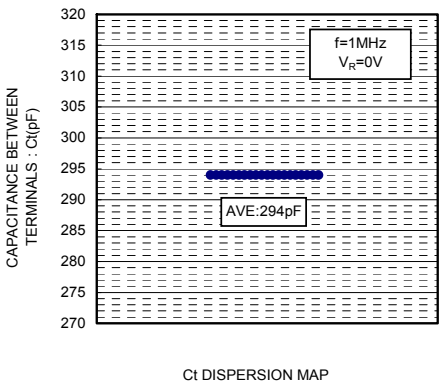
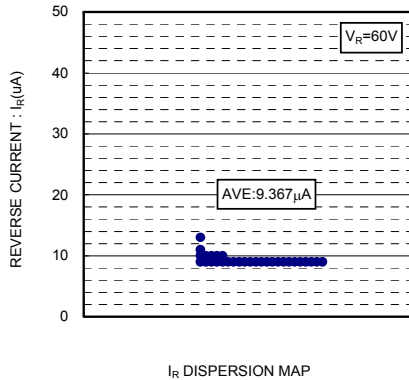
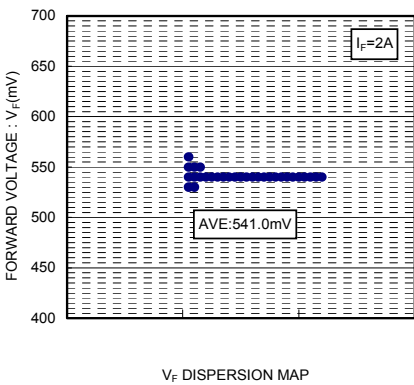
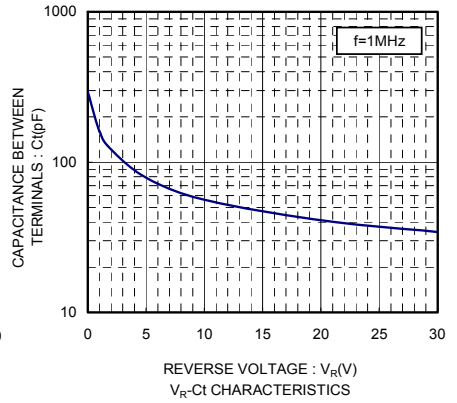
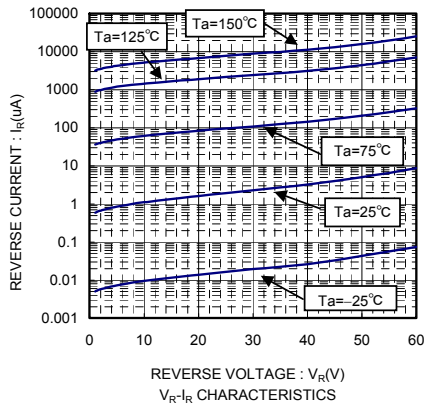
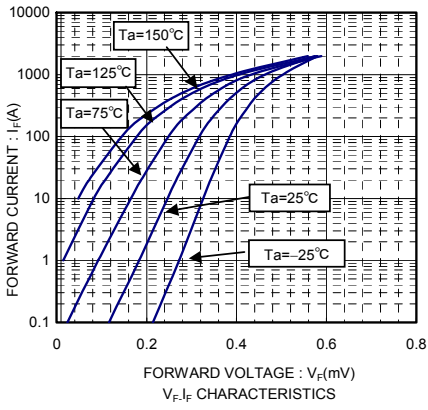
● **Absolute maximum ratings (Ta=25°C)**

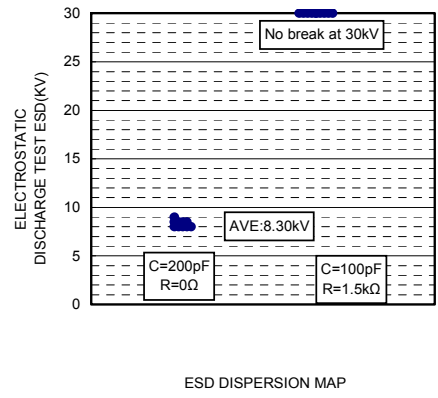
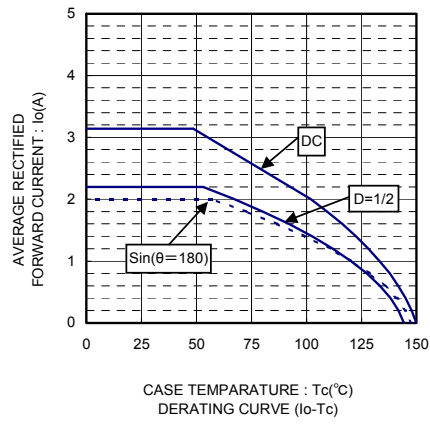
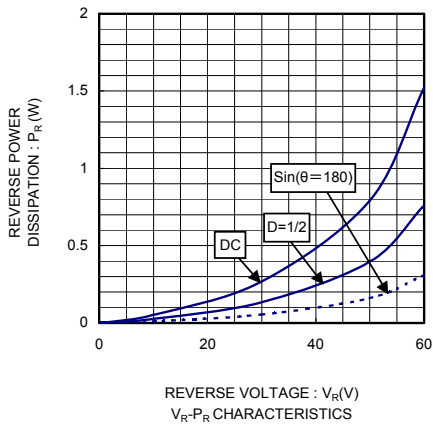
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	60	V
Reverse voltage (DC)	$V_R$	60	V
Average rectified forward current (*1)	$I_o$	2	A
Forward current surge peak (60Hz · 1cyc)	$I_{FSM}$	30	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

(\*1) Mounted on epoxy board.  $T_c=55^\circ\text{C}$  max.

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.52	V	$I_F=1.0\text{A}$
	$V_{F2}$	-	-	0.61	V	$I_F=2.0\text{A}$
Reverse current	$I_R$	-	-	50	$\mu\text{A}$	$V_R=60\text{V}$





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