

Schottky Barrier Diode

RB060M-60

● **Applications**

General rectification

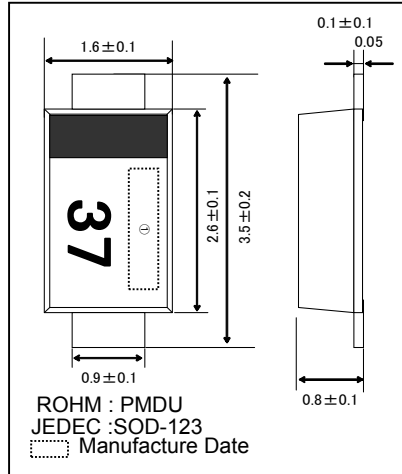
● **Features**

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

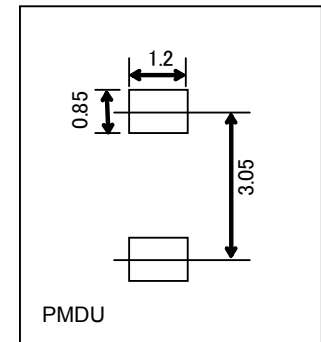
● **Construction**

Silicon epitaxial

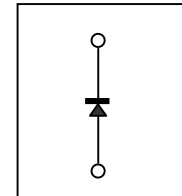
● **Dimensions (Unit : mm)**



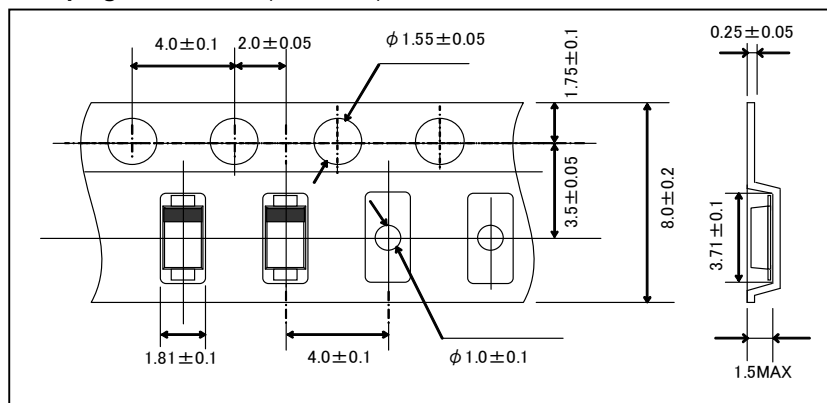
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



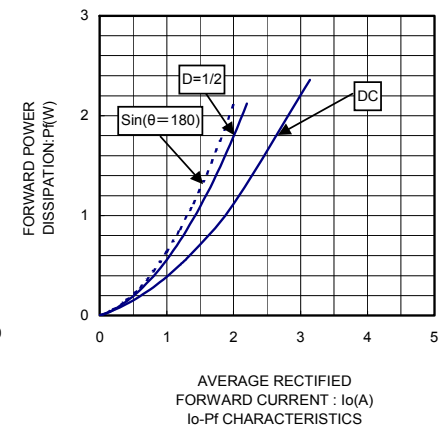
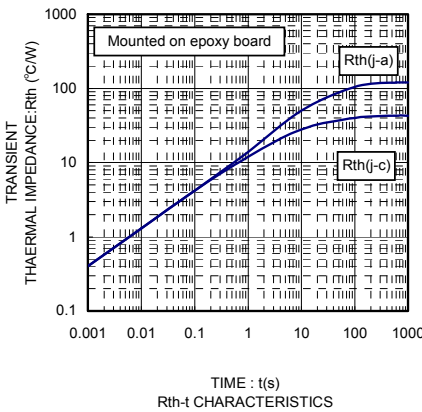
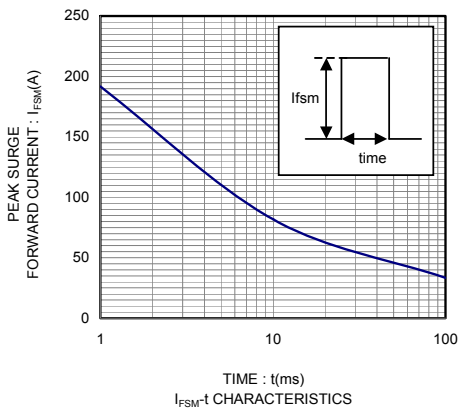
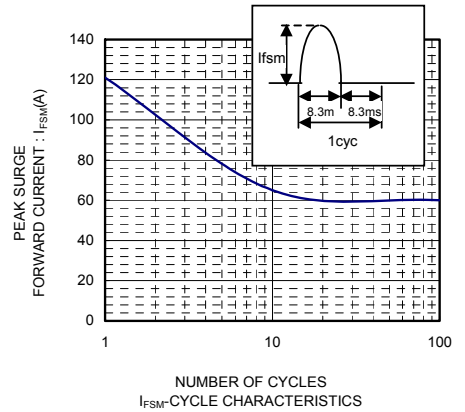
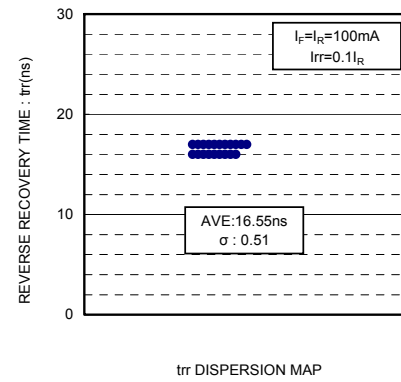
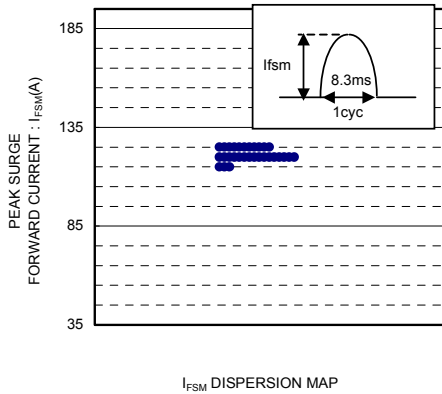
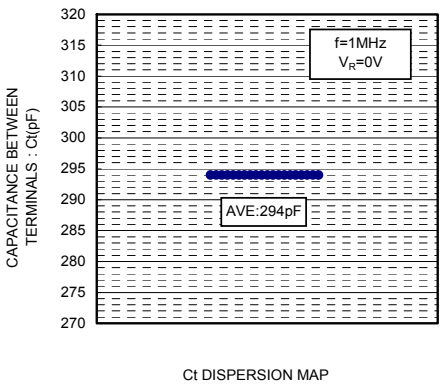
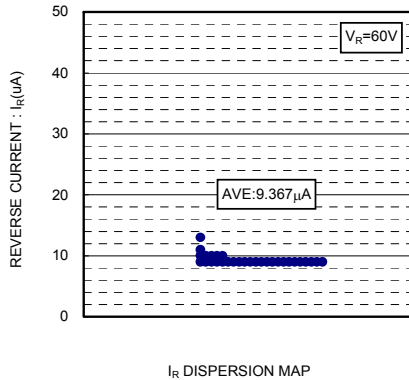
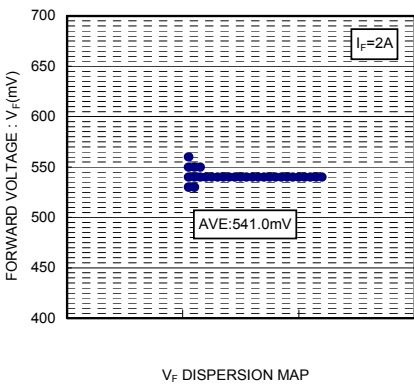
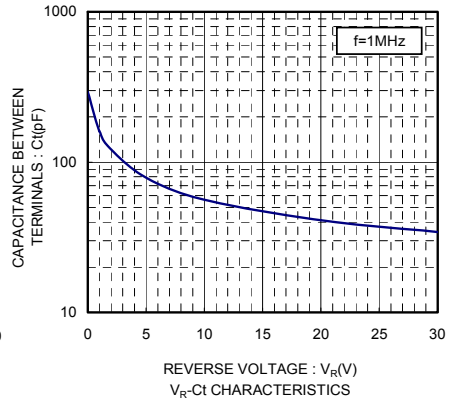
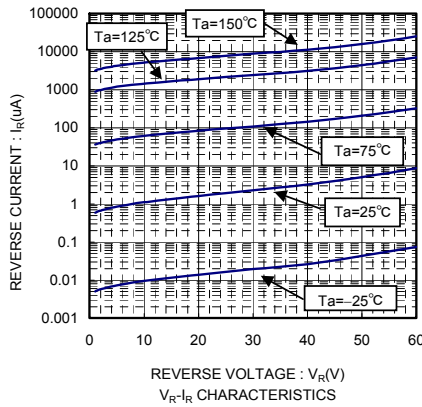
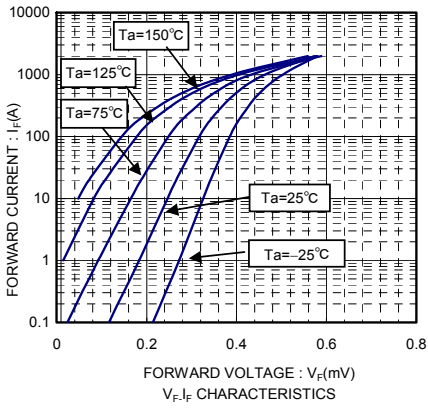
● **Absolute maximum ratings (Ta=25°C)**

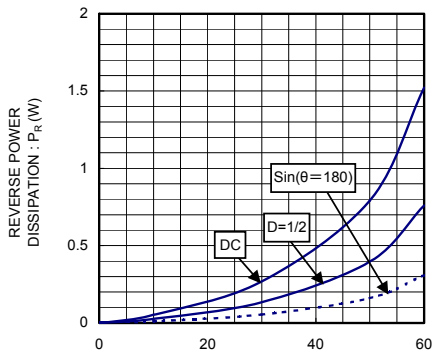
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	60	V
Reverse voltage (DC)	V_R	60	V
Average rectified forward current (*1)	I_o	2	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	30	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

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

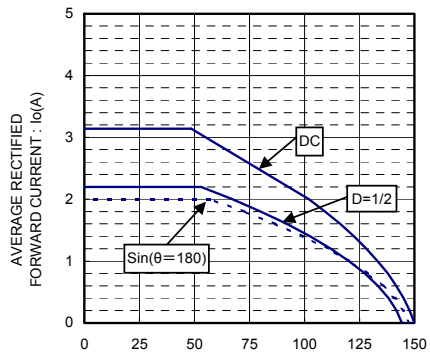
● **Electrical characteristics (Ta=25°C)**

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	μA	$V_R=60\text{V}$

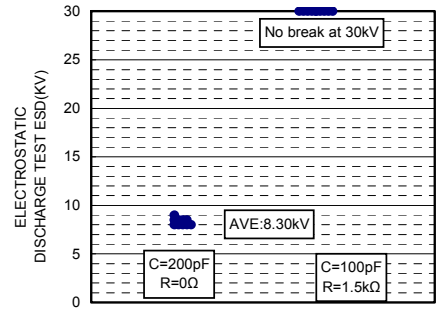




REVERSE VOLTAGE : V_R (V)
 V_R - P_R CHARACTERISTICS



CASE TEMPERATURE : T_c (°C)
 DERATING CURVE (I_o - T_c)



ESD DISPERSION MAP

Notes

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