

Schottky barrier diode

RB060M-30

●Applications

General rectification

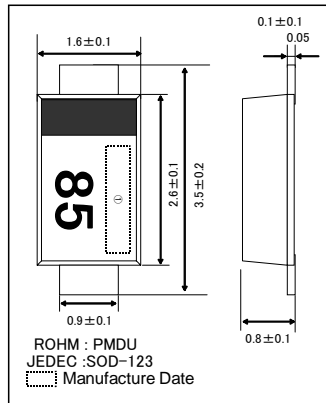
●Features

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

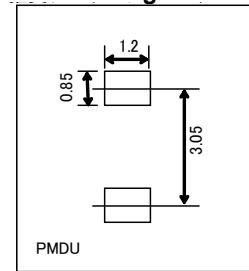
●Construction

Silicon epitaxial planar

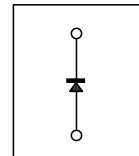
●Dimensions (Unit : mm)



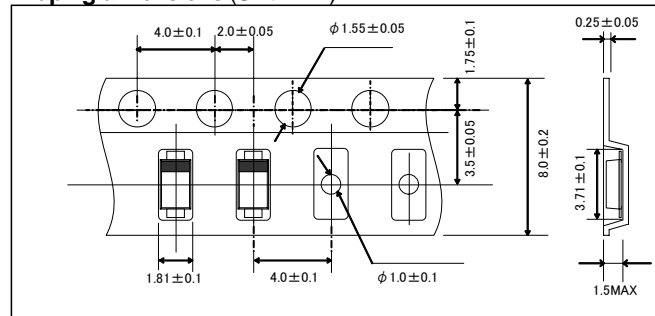
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	30	V
Reverse voltage (DC)	V _R	30	V
Average rectified forward current	I _o	2	A
Forward current surge peak (60Hz·1cyc)	I _{FSM}	55	A
Junction temperature	T _J	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

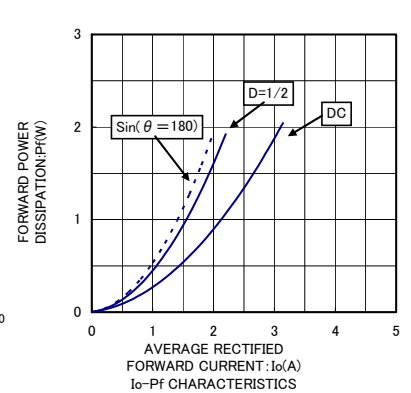
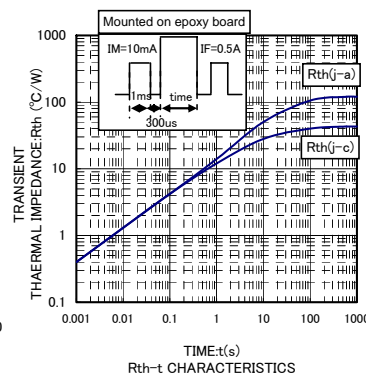
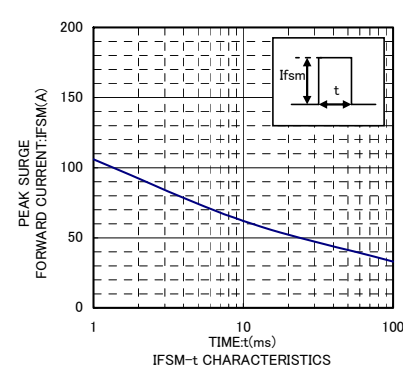
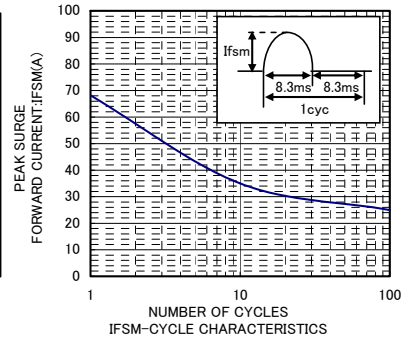
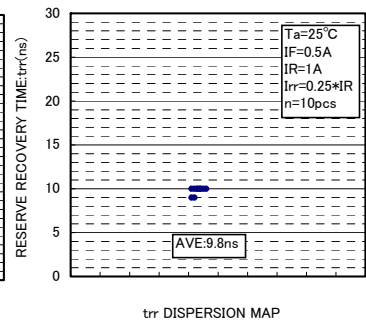
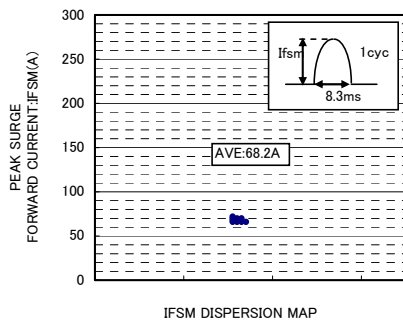
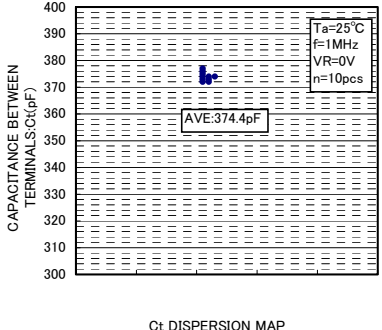
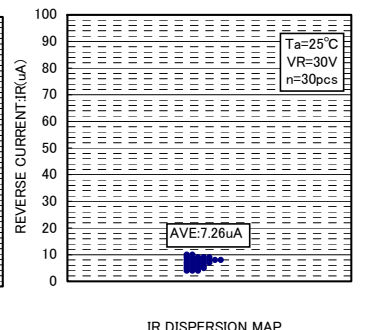
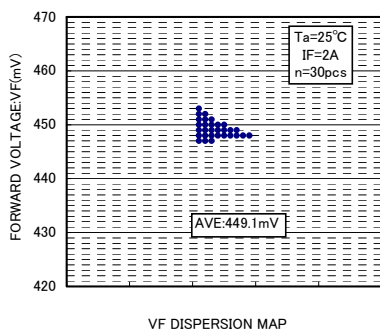
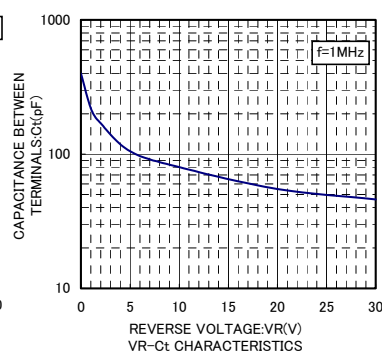
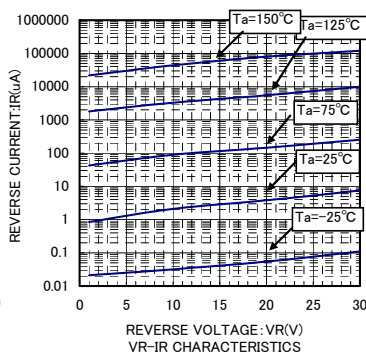
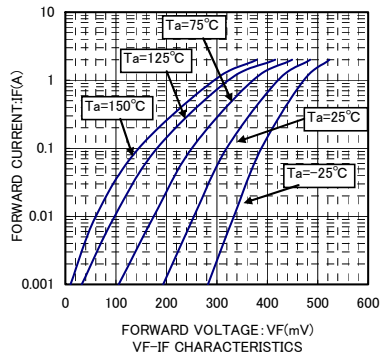
(*1)T_c=65°C MAX. Mounted on epoxy board. 180° Half sine wave

●Electrical characteristic (Ta=25°C)

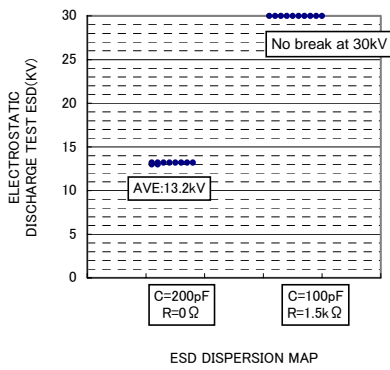
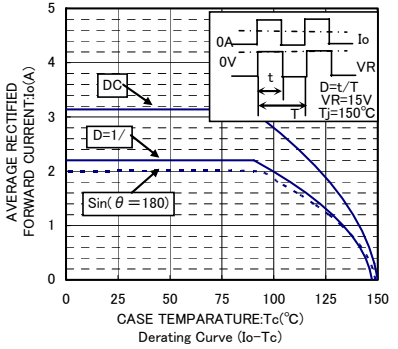
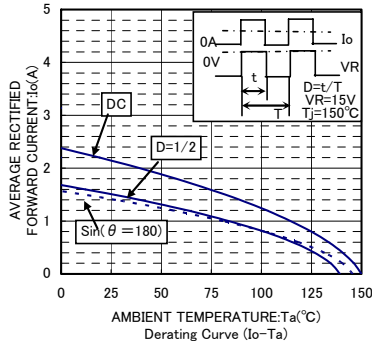
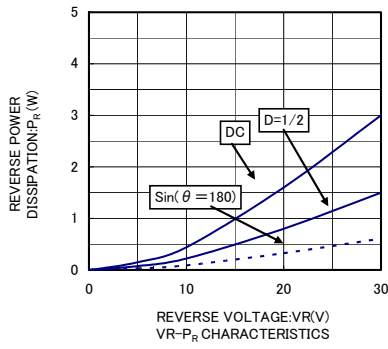
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _{F1}	0.32	0.4	0.45	V	I _F =1.0A
	V _{F2}	0.36	0.44	0.49	V	I _F =2.0A
Reverse current	I _R	-	10	50	μA	V _R =30V
ESD break down voltage	ESD	7	-	-	kV	C=200pF, R=0Ω forward and reverse : 1 time

Diodes

●Electrical characteristic curves



Diodes



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