

Schottky Barrier Diode

RB051M-2Y

Applications

General rectification

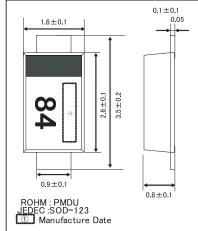
● Features

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

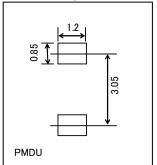
Construction

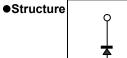
Silicon epitaxial planer

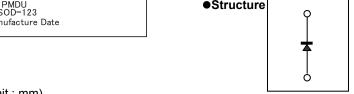
●Dimensions(Unit:mm)



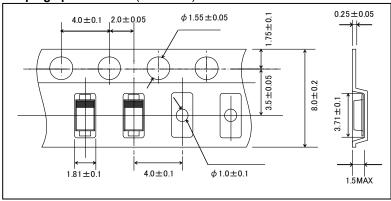
●Land size figure(Unit : mm)











●Absolute maximum ratings (Ta=25°C)

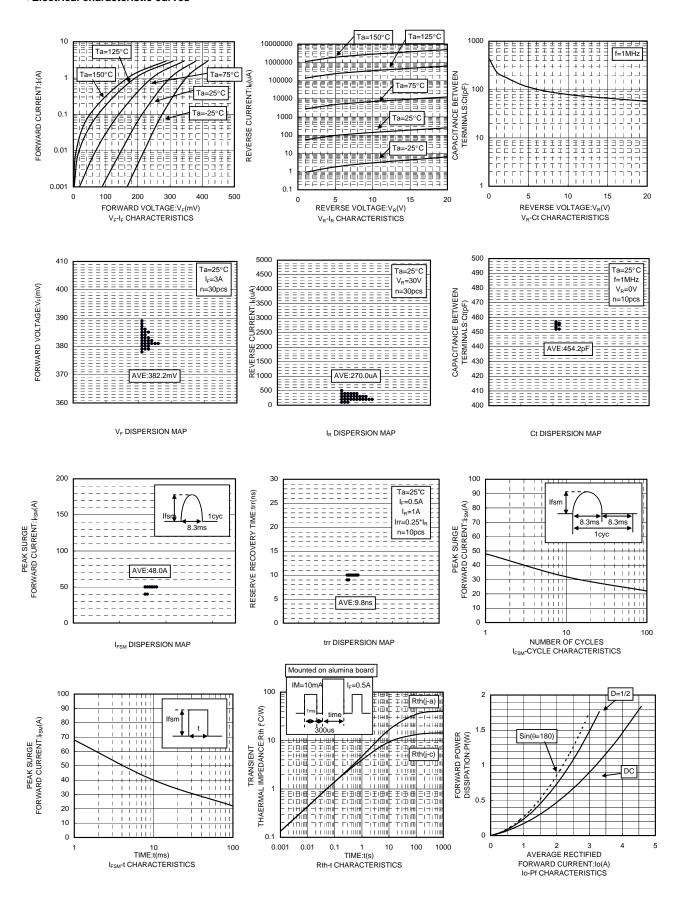
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	20	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current(*1)	lo	3	Α
Forward current surge peak (60Hz•1cyc)	I_{FSM}	30	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

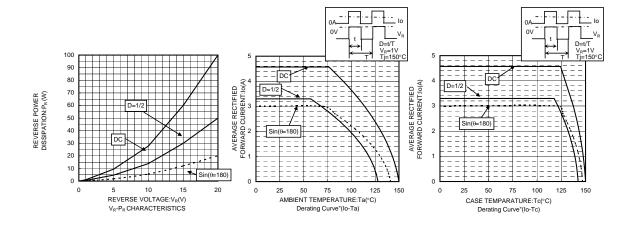
^(*1)Mounting on alumina board. Tc=95°C Max.

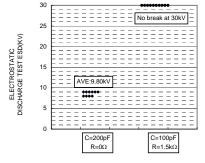
●Electrical characteristics(Ta=25°C)

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Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.46	V	I _F =3A
Reverse current	I _R	-	-	0.9	mA	V _R =20V

•Electrical characteristic curves







ESD DISPERSION MAP

Notes

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