

# Schottky barrier diode (Silicon Epitaxial Planer)

## RB070M-30

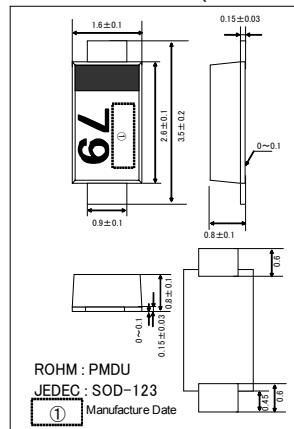
### ● Applications

General rectification  
(Common cathode dual chip)

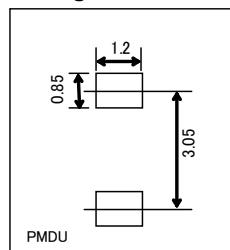
### ● Features

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

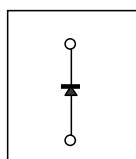
### ● External dimensions (Unit : mm)



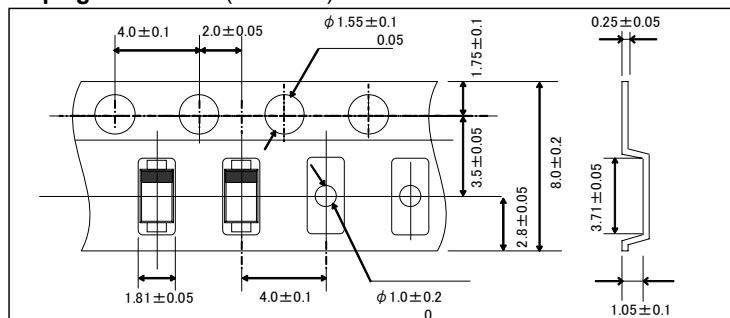
### ● Land size figure



### ● Structure



### ● Taping dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	30	V
Reverse voltage (DC)	V <sub>R</sub>	30	V
Average rectified forward current *	I <sub>o</sub>	1.5	A
Forward current surge peak (60Hz • 1cyc.)	I <sub>FSM</sub>	30	A
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-40 to 150	°C

\* Glass epoxy substrate at the time of assembler, half sine wave at 180°.

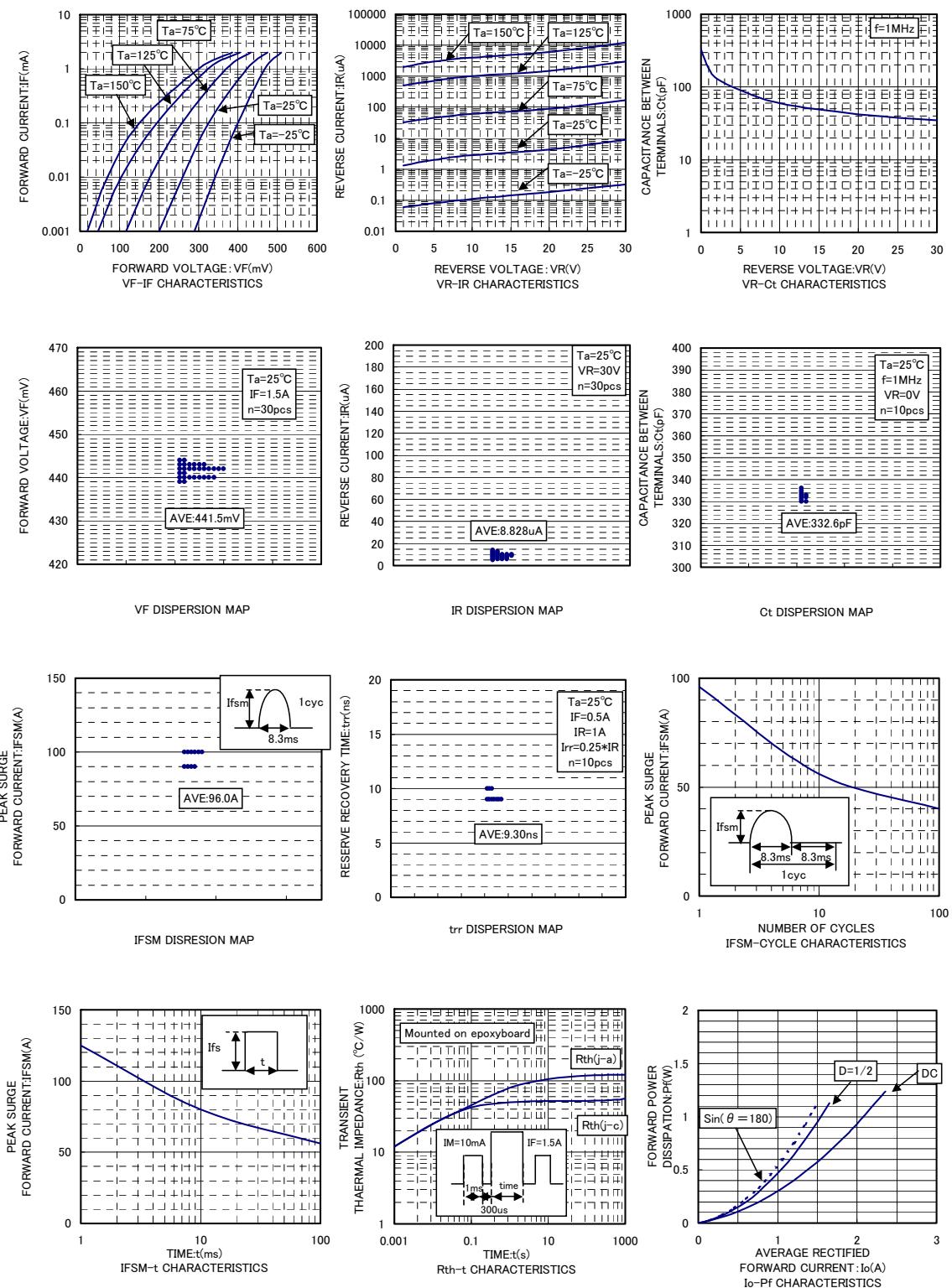
### ● Electrical characteristic (Ta=25°C)

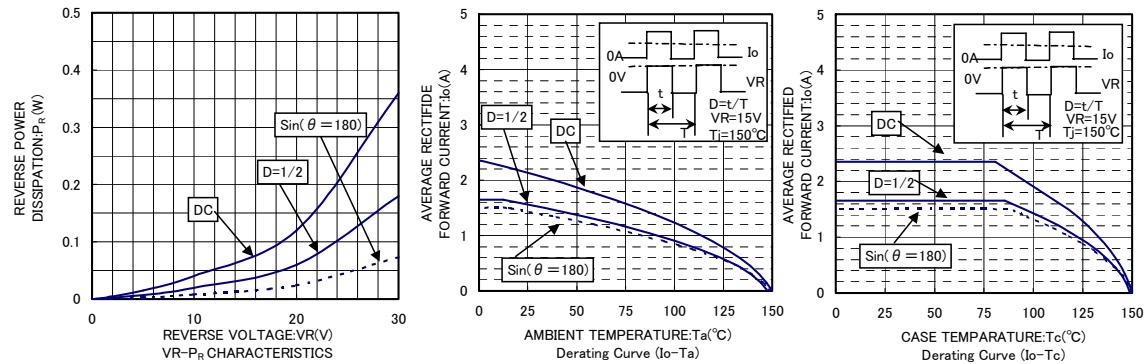
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F1</sub>	—	0.37	0.43	V	I <sub>f</sub> =0.5A
	V <sub>F2</sub>	—	0.44	0.49	V	I <sub>f</sub> =1.5A
Reverse current	I <sub>R</sub>	—	9	50	μA	V <sub>R</sub> =30V

\*Please pay attention to static electricity when handling.

## Diodes

## ● Electrical characteristic curves





## Appendix

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