

# Shottky barrier diode

## RB070M-30

### ●Applications

General rectification  
(Common cathode dual chip)

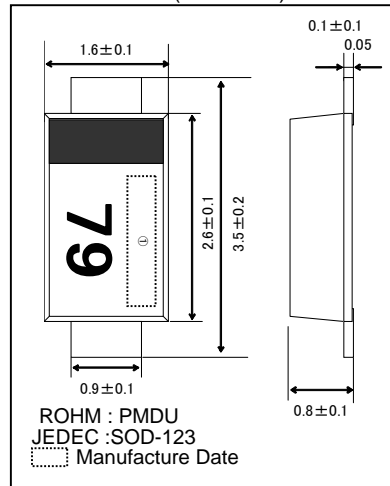
### ●Features

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

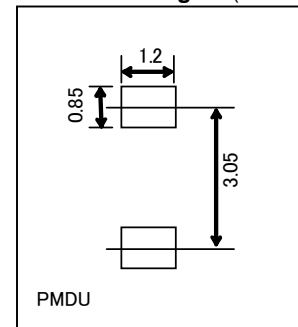
### ●Construction

Silicon epitaxial planar

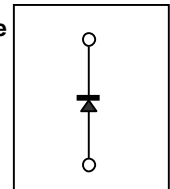
### ●Dimensions (Unit : mm)



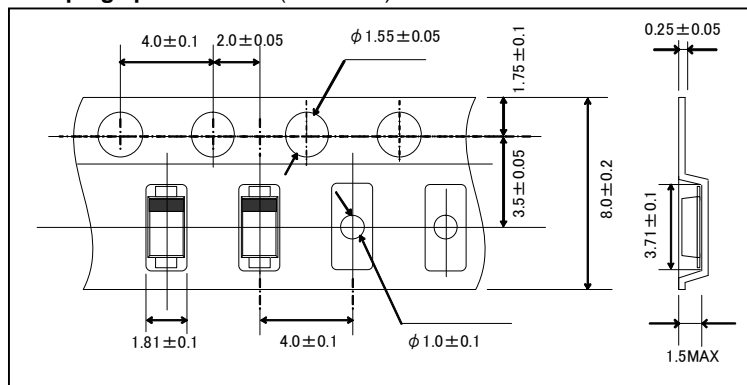
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



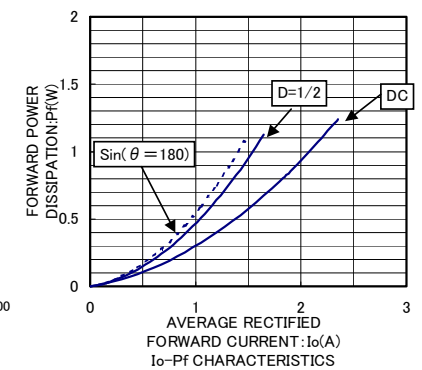
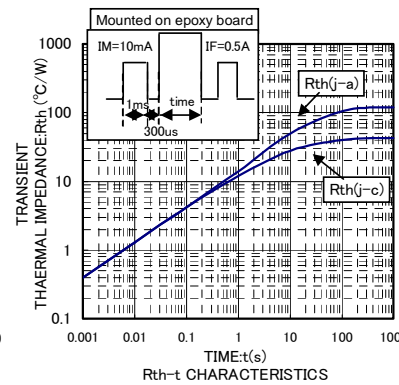
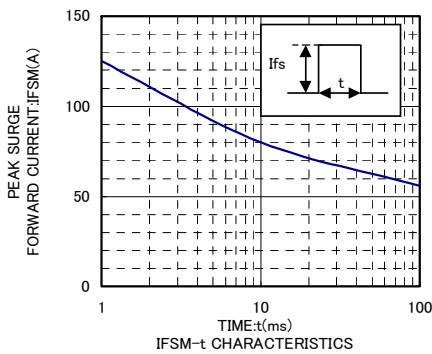
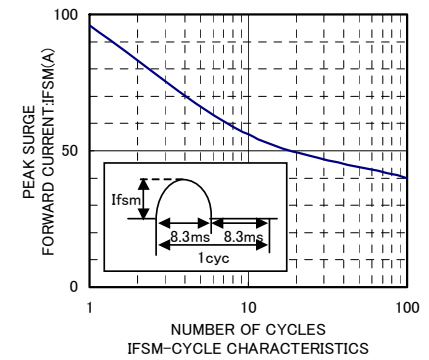
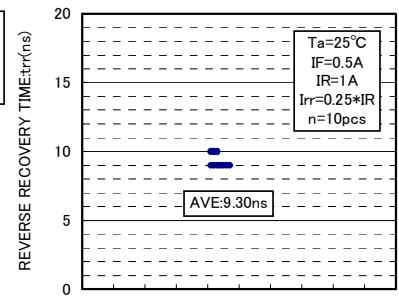
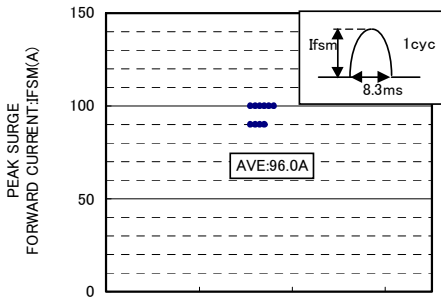
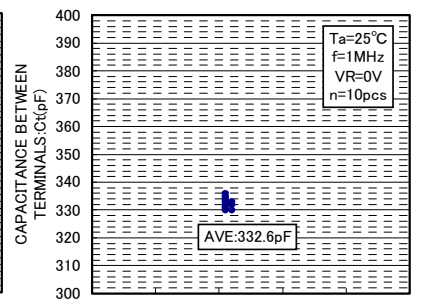
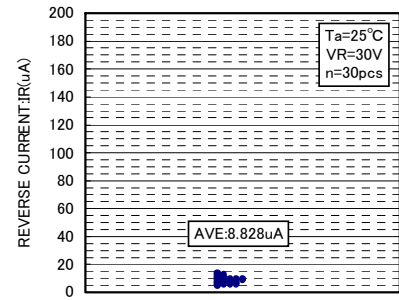
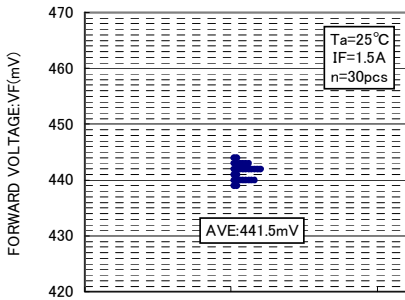
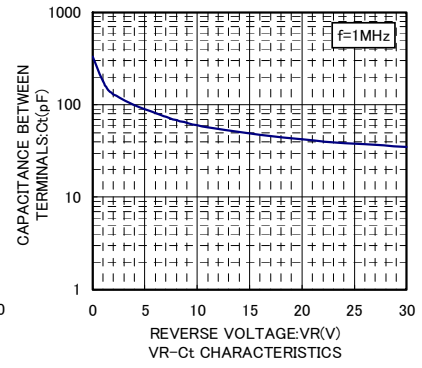
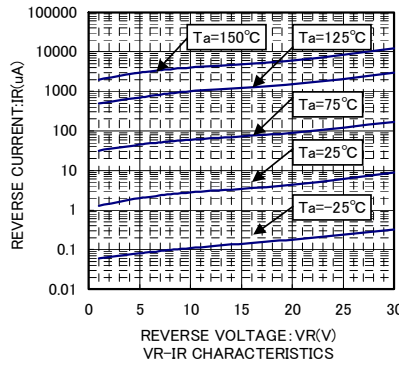
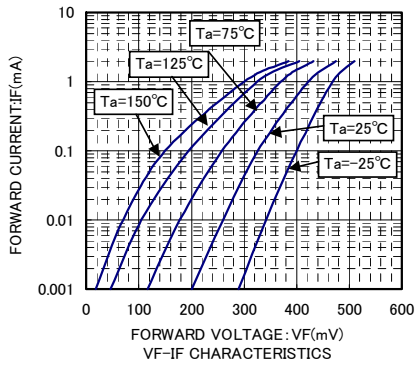
### ●Absolute maximum ratings (Ta=25°C)

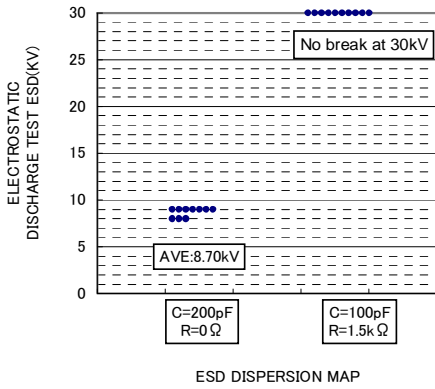
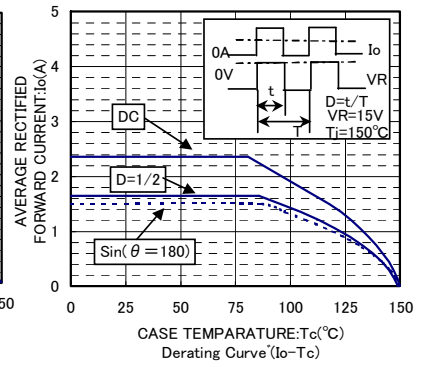
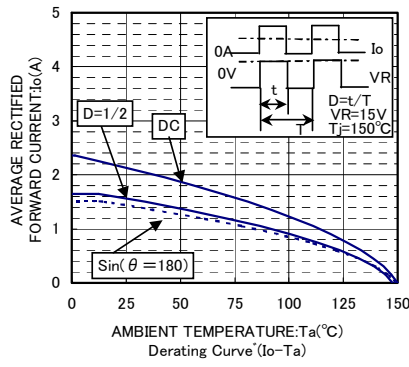
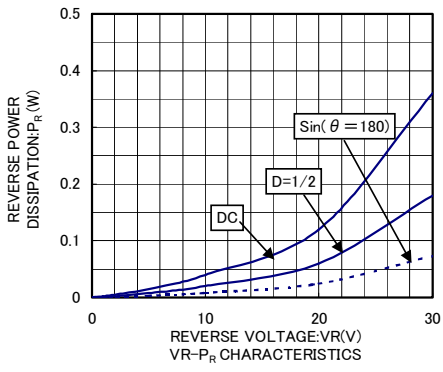
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	30	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current (*1)	$I_o$	1.5	A
Forward current surge peak (60Hz · 1cyc)	$I_{FSM}$	30	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

(\*1) Mounted on epoxy board. 180° Half sine wave

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	0.37	0.43	V	$I_F=0.5A$
	$V_{F2}$	-	0.44	0.49	V	$I_F=1.5A$
Reverse current	$I_R$	-	9.0	50	μA	$V_R=30V$





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