

## Schottky barrier diode

## RB161M-20

## ●Applications

General rectification

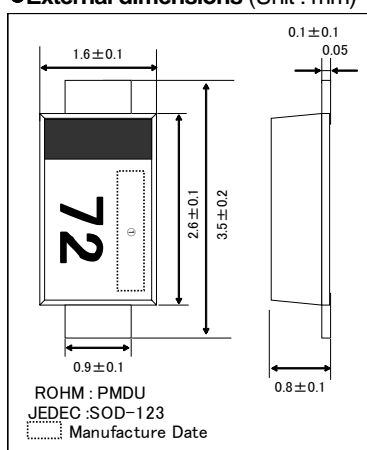
## ●Features

- 1) Power mold type. (CPD3)
- 2) Low  $V_F$
- 3) High reliability

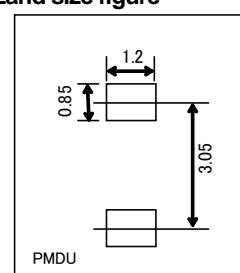
## ●Construction

Silicon epitaxial planar

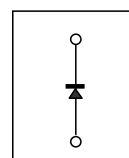
## ●External dimensions (Unit : mm)



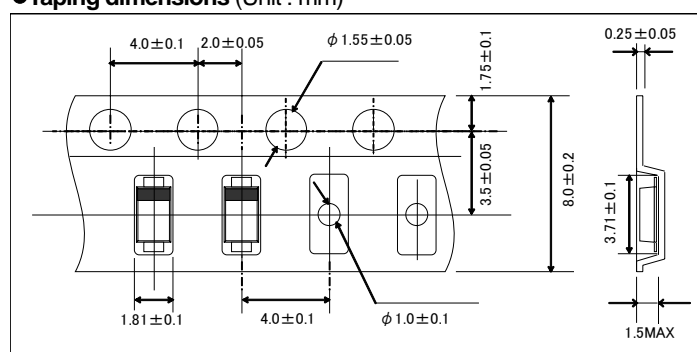
## ●Land size figure



## ●Structure



## ●Taping dimensions (Unit : mm)

●Absolute maximum ratings ( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	25	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current	$I_o$	1	A
Forward current surge peak	$I_{FSM}$	30	A
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

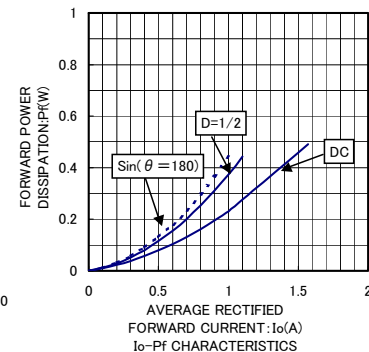
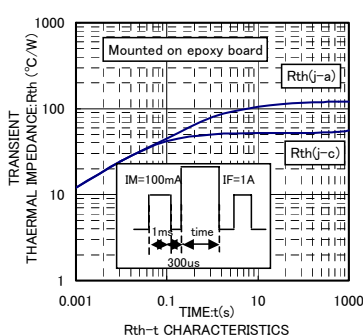
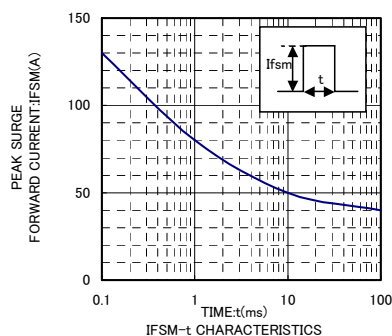
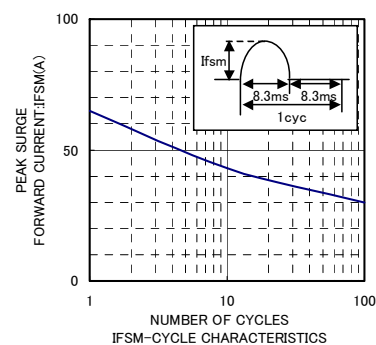
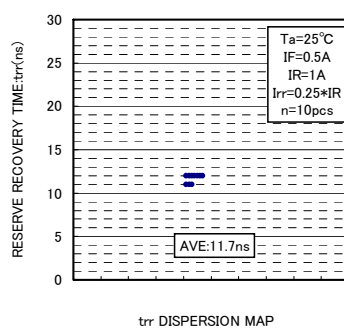
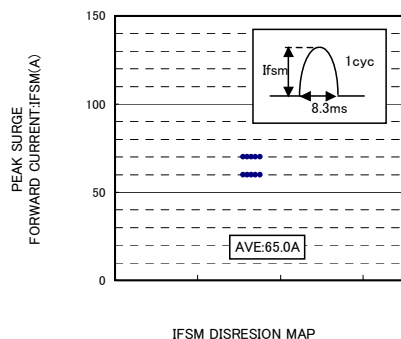
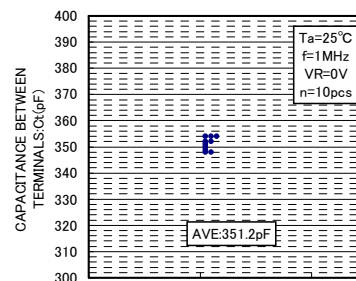
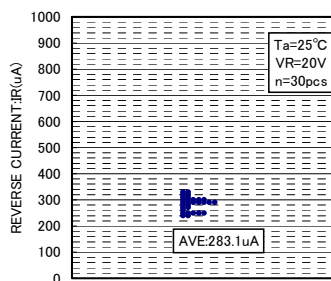
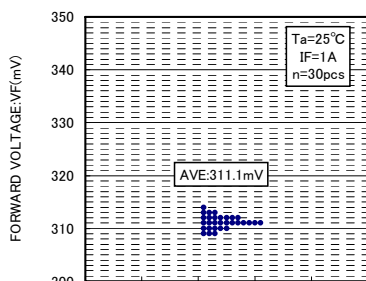
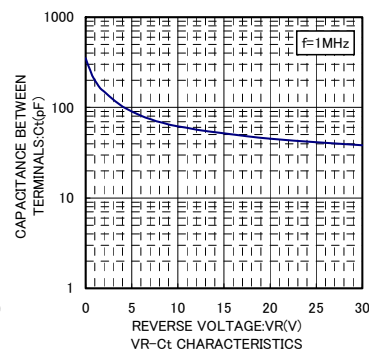
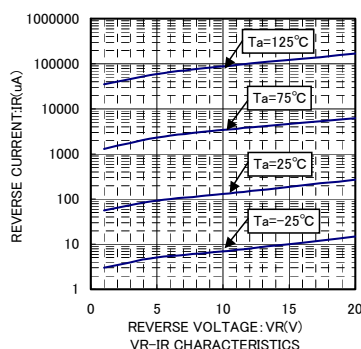
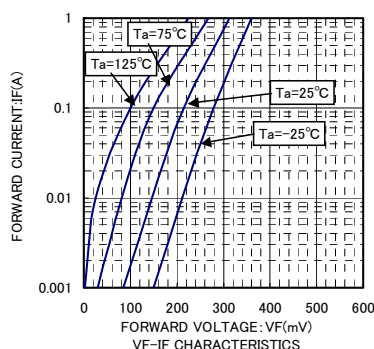
(\*1) Mounted on epoxy board. 180°Half sine wave

●Electrical characteristic ( $T_a=25^\circ\text{C}$ )

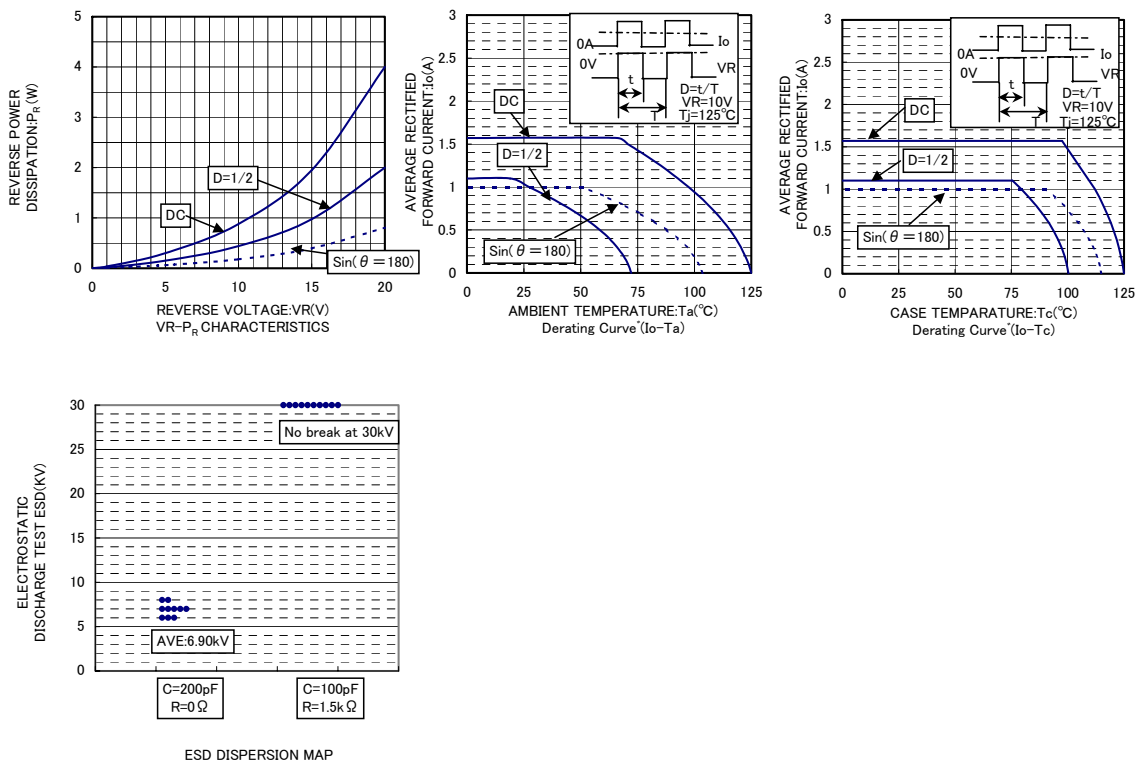
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	0.28	0.32	V	$I_F=0.5\text{A}$
	$V_{F2}$	-	0.31	0.35	V	$I_F=1.0\text{A}$
Reverse current	$I_R$	-	280	700	$\mu\text{A}$	$V_R=20\text{V}$

## Diodes

## ●Electrical characteristic curves



Diodes



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