

# Schottky barrier diode

## RB161M-20

### ● Applications

General rectification

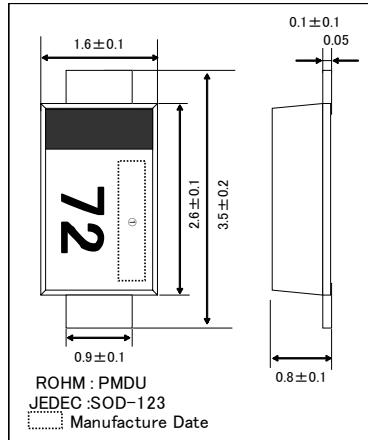
### ● Features

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

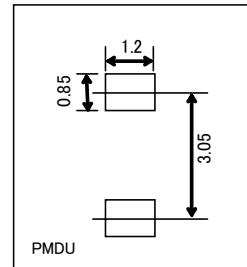
### ● Construction

Silicon epitaxial planar

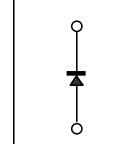
### ● External dimensions (Unit : mm)



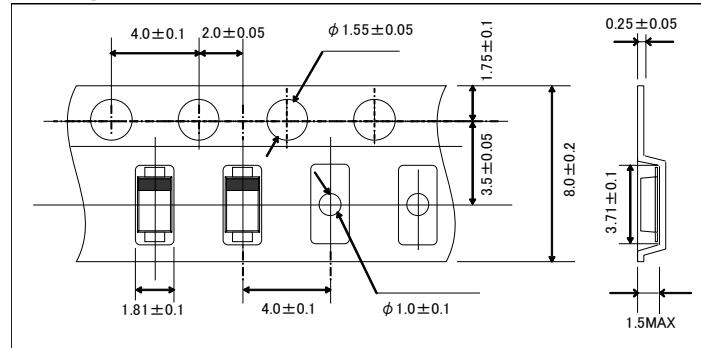
### ● Land size figure



### ● Structure



### ● Taping dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	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	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

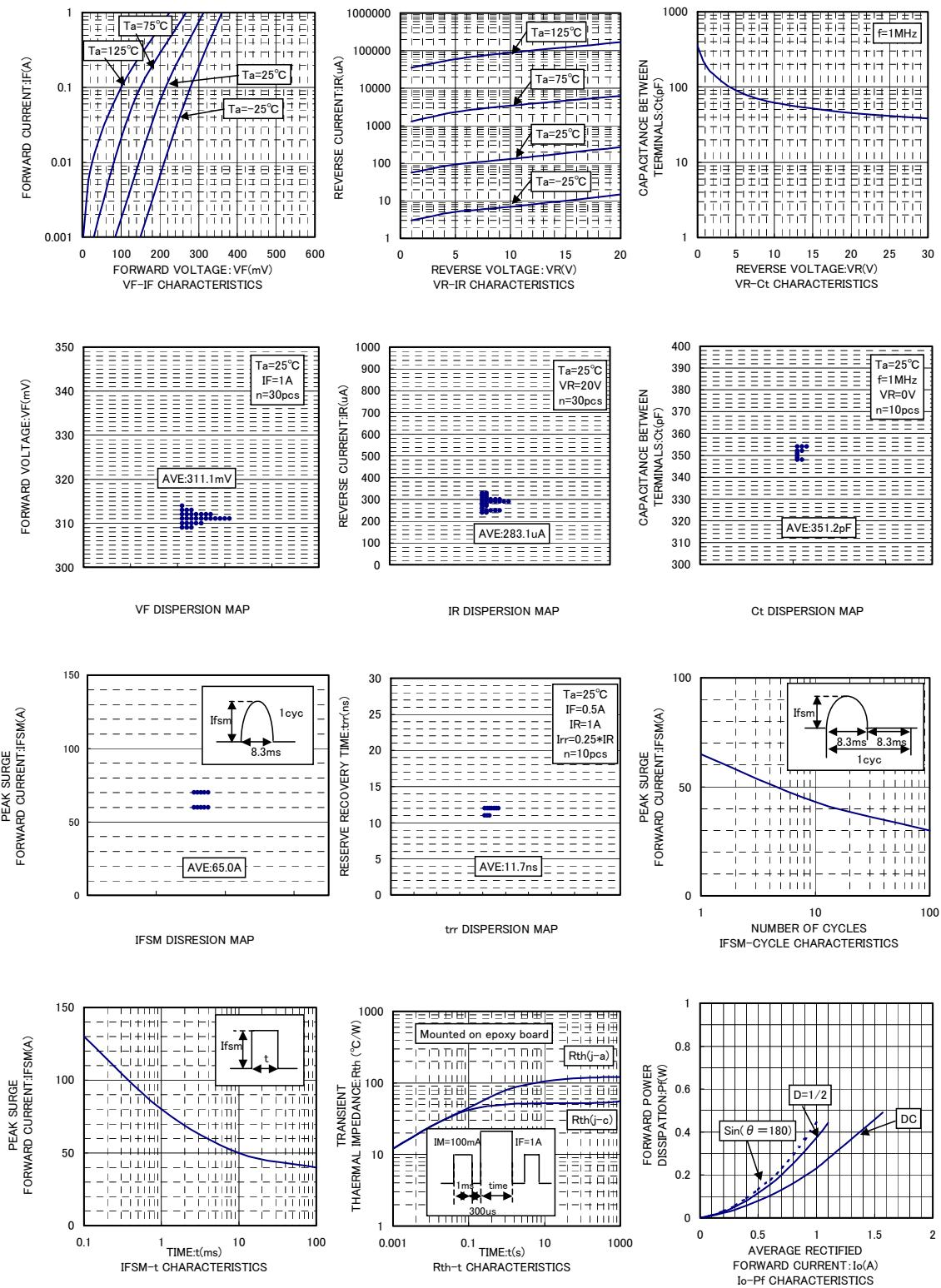
(\*1) Mounted on epoxy board. 180°Half sine wave

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

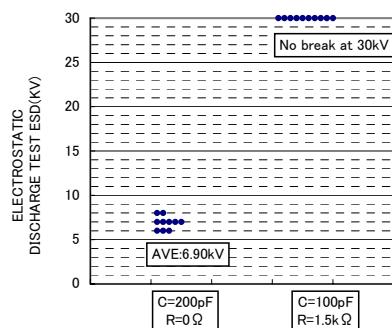
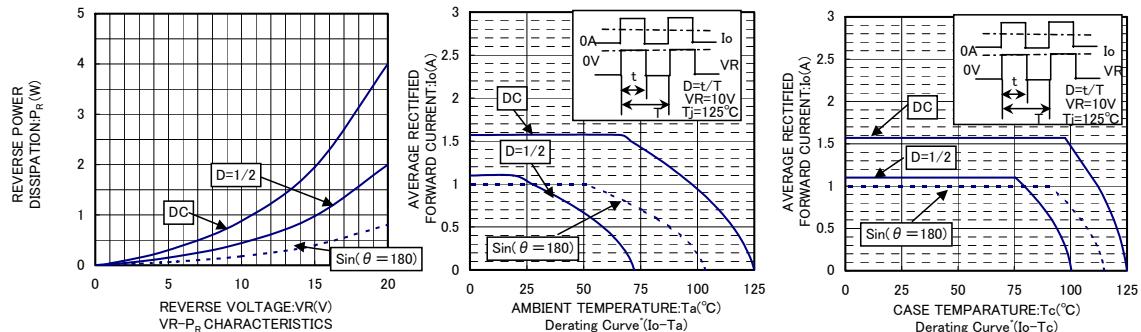
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	0.28	0.32	V	$I_F=0.5A$
	$V_{F2}$	-	0.31	0.35	V	$I_F=1.0A$
Reverse current	$I_R$	-	280	700	$\mu A$	$V_R=20V$

## Diodes

## ● Electrical characteristic curves



## Diodes



## Appendix

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