

## Schottky barrier diode

## RB411D

## ●Applications

Low current rectification

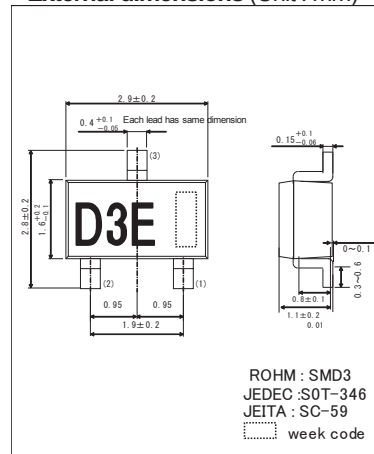
## ●Features

- 1) Small mold type. (SMD3)
- 2) Low  $I_r$
- 3) High reliability.

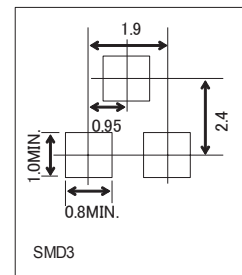
## ●Construction

Silicon epitaxial planar

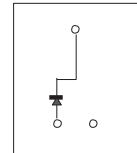
## ●External dimensions (Unit : mm)



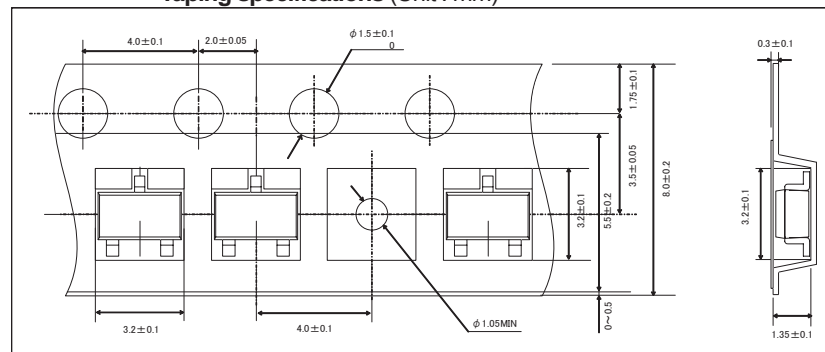
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping specifications (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current (*1)	$I_o$	500	mA
Forward current surge peak (60Hz·1cyc) (*1)	$I_{FSM}$	3	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

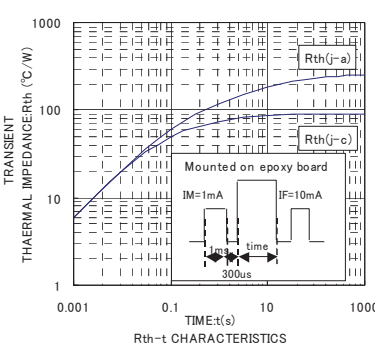
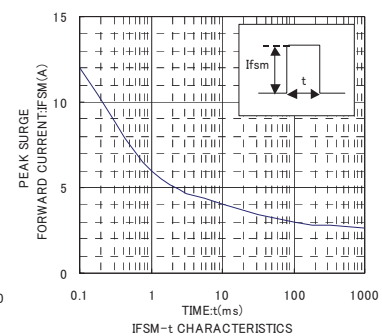
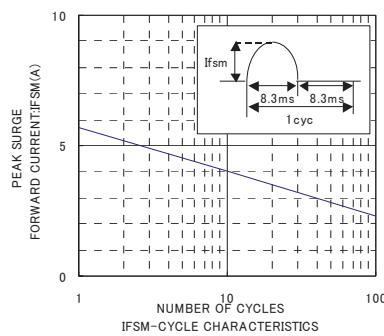
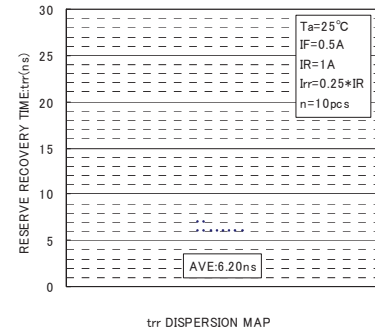
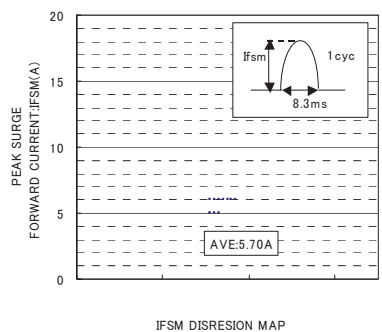
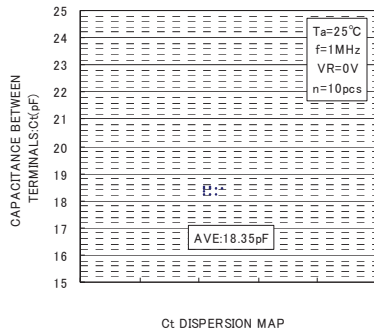
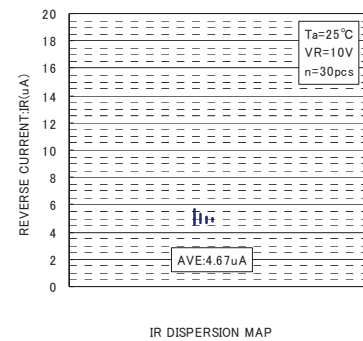
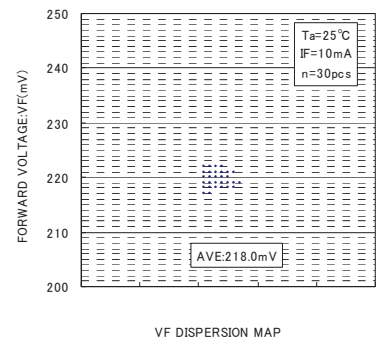
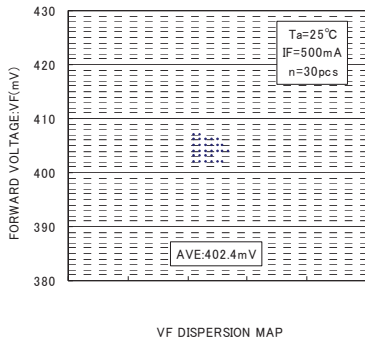
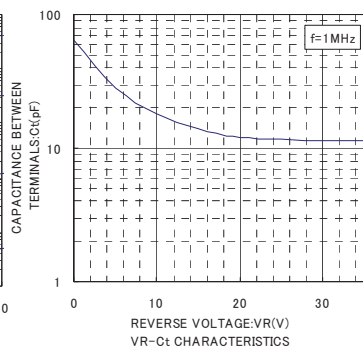
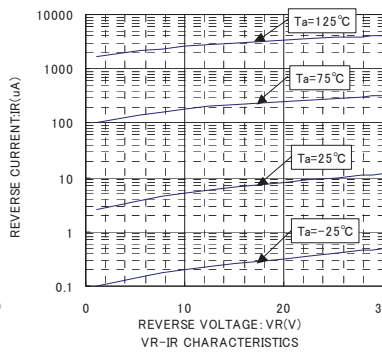
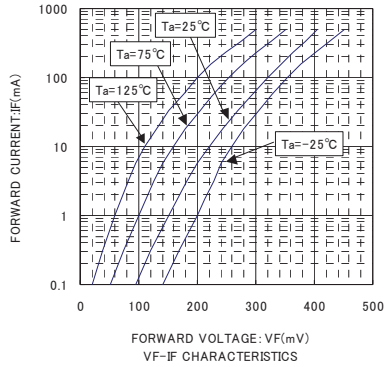
(\*1) Rating of per diode

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

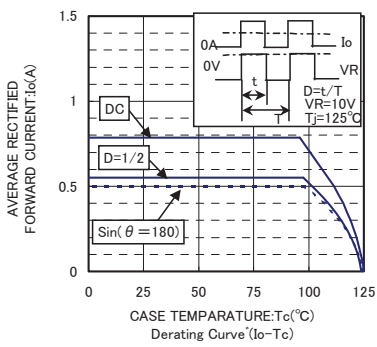
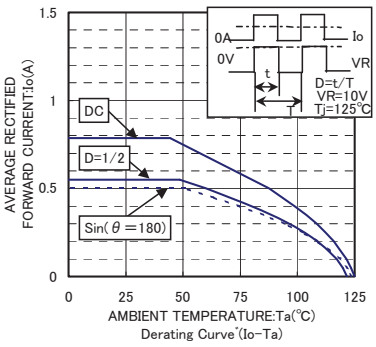
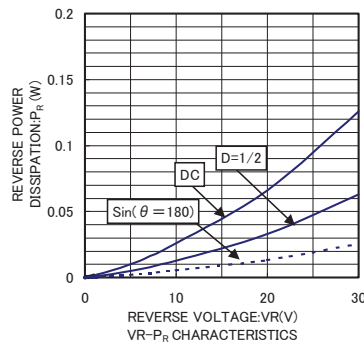
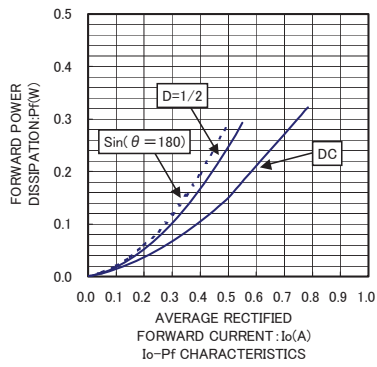
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.50	V	$I_F=500mA$
	$V_{F2}$	-	-	0.30	V	$I_F=10mA$
Reverse current	$I_{R1}$	-	-	30	$\mu A$	$V_R=10V$
Capacitance between terminal	$C_{t1}$	-	20	-	pF	$V_R=10V, f=1MHz$

Diodes

●Electrical characteristic curves (Ta = 25°C)



Diodes



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