

## Schottky barrier diode

## RB496KA

## ●Applications

Low current rectification

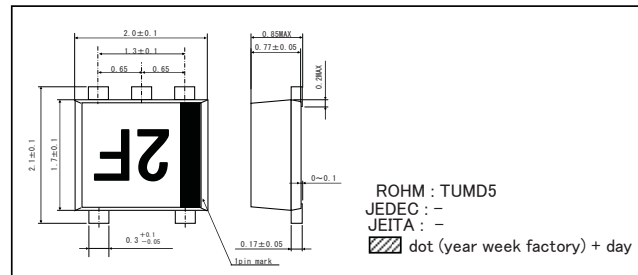
## ●Features

- 1) Small mold type (TUMD5)
- 2) Low VF
- 3) High reliability

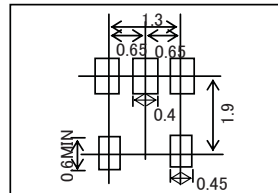
## ●Structure

Silicon epitaxial planer

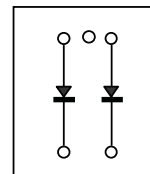
## ●Dimensions (Unit : mm)



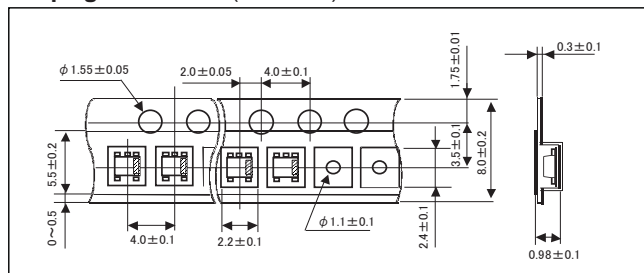
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current (*1)	$I_o$	1	A
Forward current surge peak (60Hz·1cyc) (*1)	$I_{FSM}$	5	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

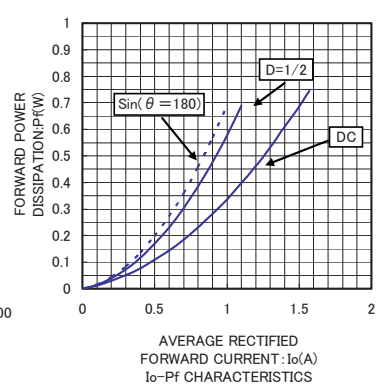
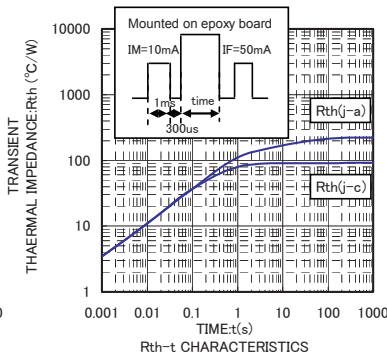
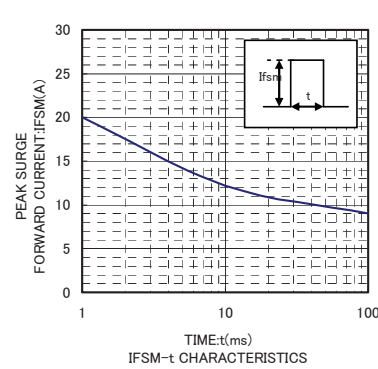
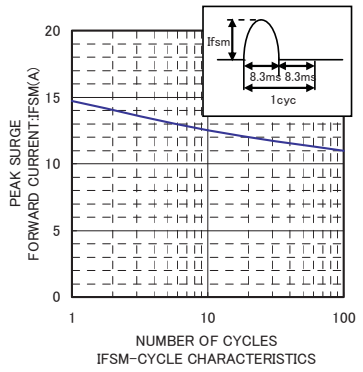
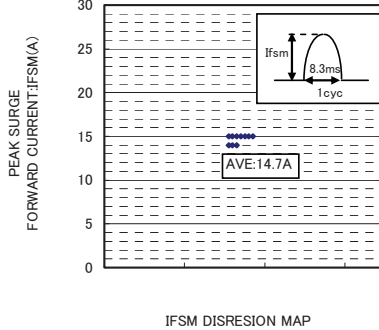
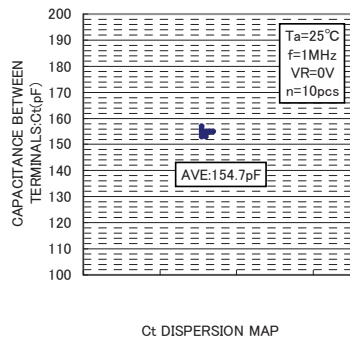
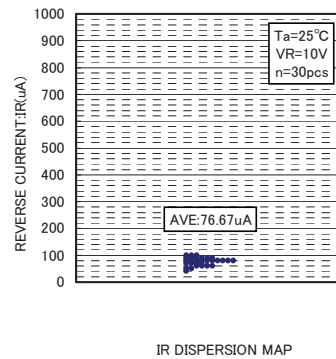
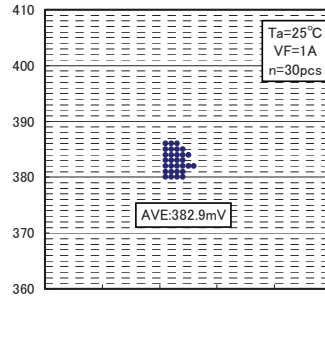
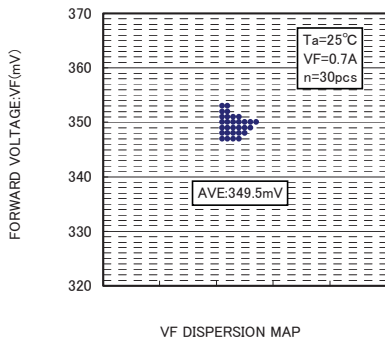
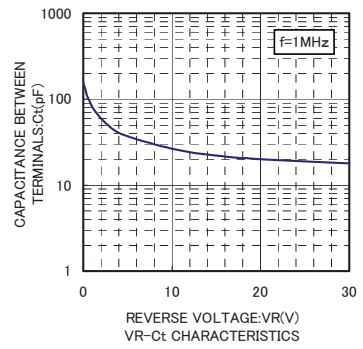
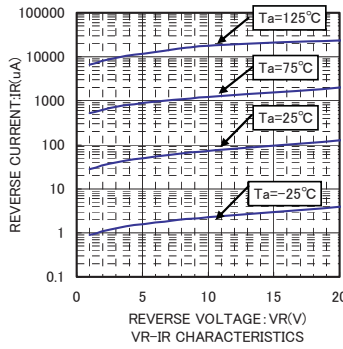
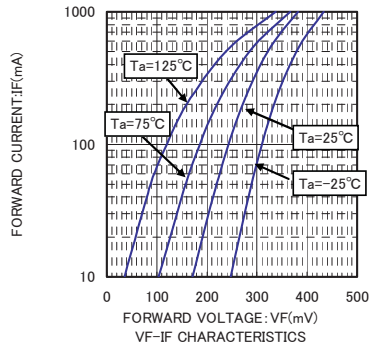
(\*1) Rating of per diode

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

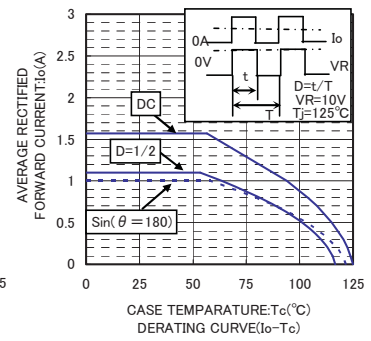
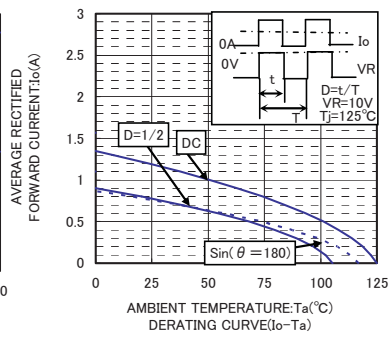
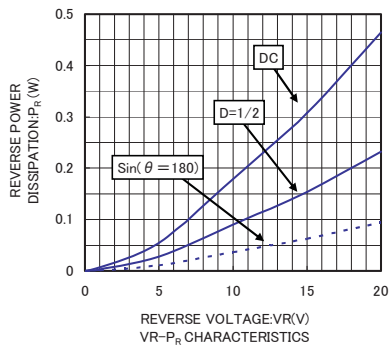
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.40	V	$I_F=0.7A$
	$V_{F2}$	-	-	0.43	V	$I_F=1A$
Reverse current	$I_R$	-	-	800	μA	$V_R=10V$

Diodes

●Electrical characteristic curves



Diodes



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