

RB021VA-90

Diodes

## Schottky barrier diode

## RB021VA-90

## ●Applications

General rectification

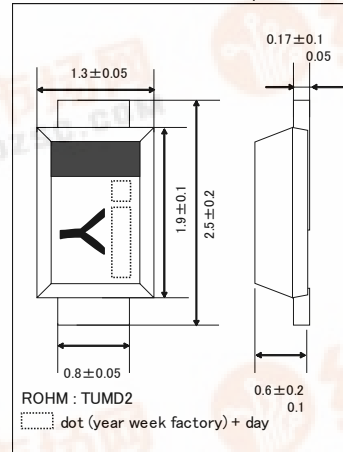
## ●Features

- 1) Small power mold type (TUMD2)
- 2) Low  $V_F$
- 3) High reliability

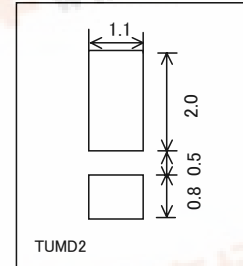
## ●Structure

Silicon epitaxial planar

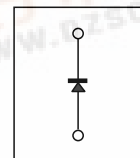
## ●External dimensions (Unit : mm)



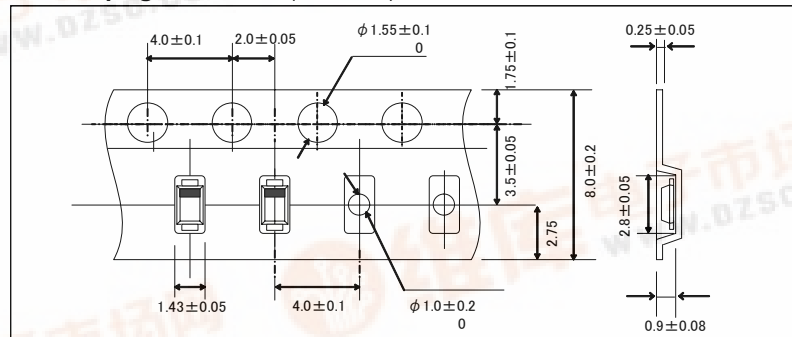
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping dimensions (Unit : mm)

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

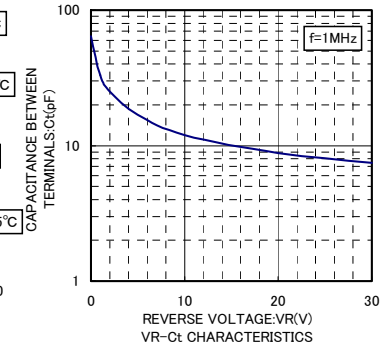
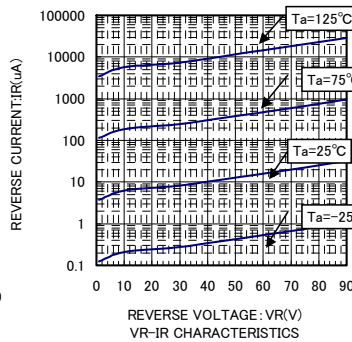
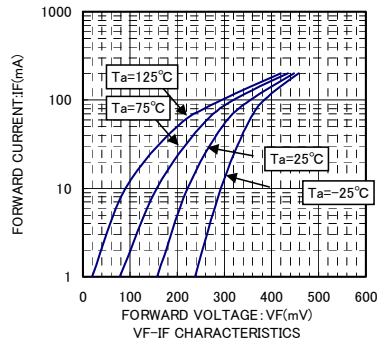
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	90	V
Reverse voltage (DC)	$V_R$	90	V
Average rectified forward current	$I_o$	0.2	A
Forward current surge peak(60Hz · 1cyc)	$I_{FSM}$	5	A
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

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

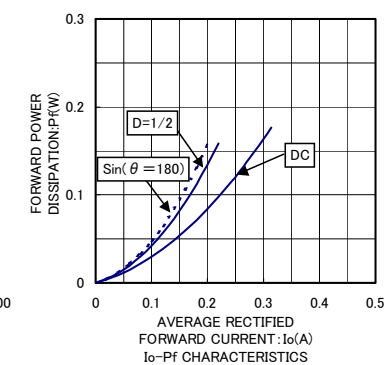
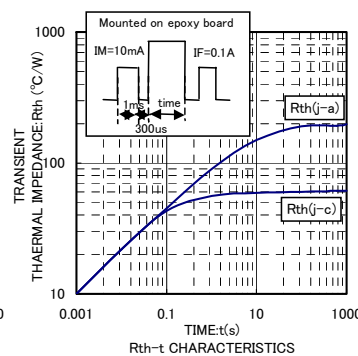
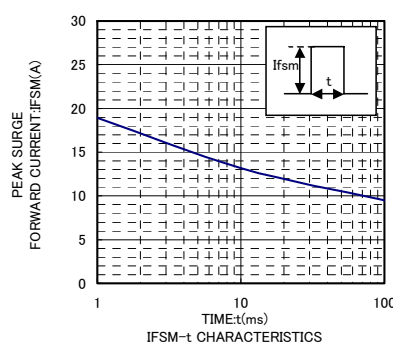
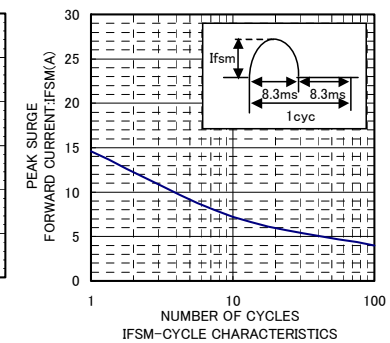
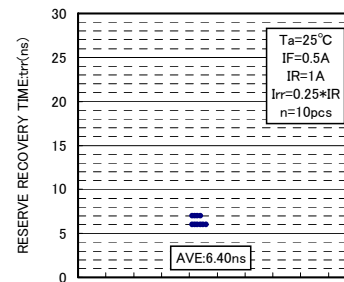
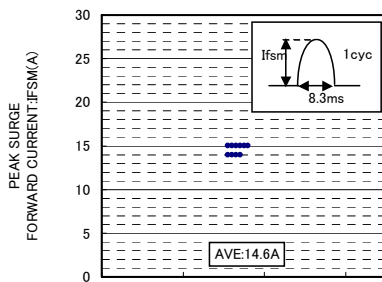
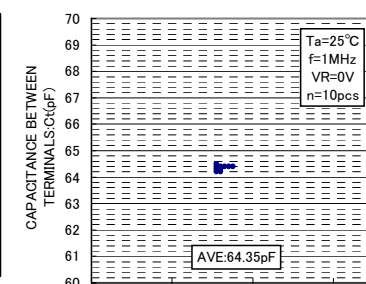
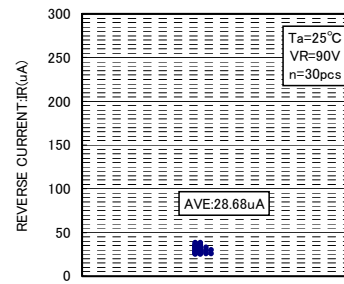
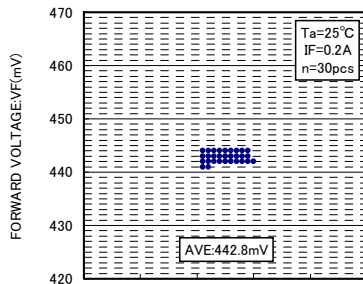
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.49	V	$I_F=200\text{mA}$
Reverse current	$I_R$	-	-	900	$\mu\text{A}$	$V_R=90\text{V}$

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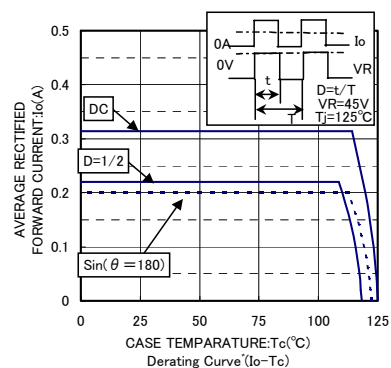
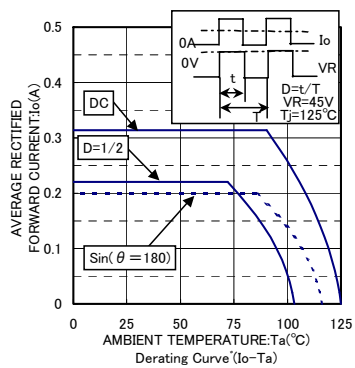
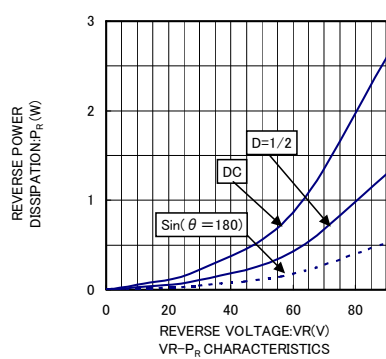
## ●Electrical characteristic curves



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## Diodes



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