

# Schottky barrier Diode

RB021VA90

●Applications

General rectification

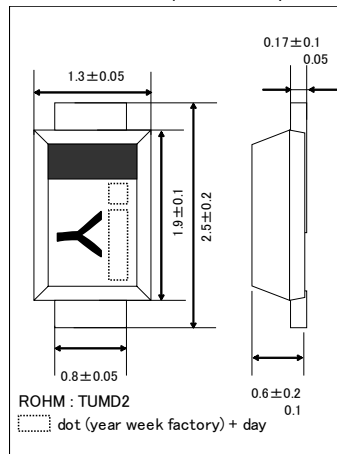
●Features

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

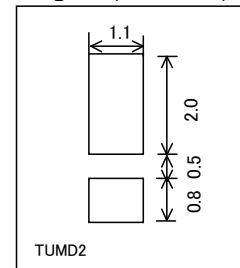
●Structure

Silicon epitaxial planar

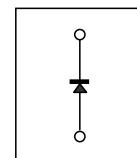
●Dimensions (Unit : mm)



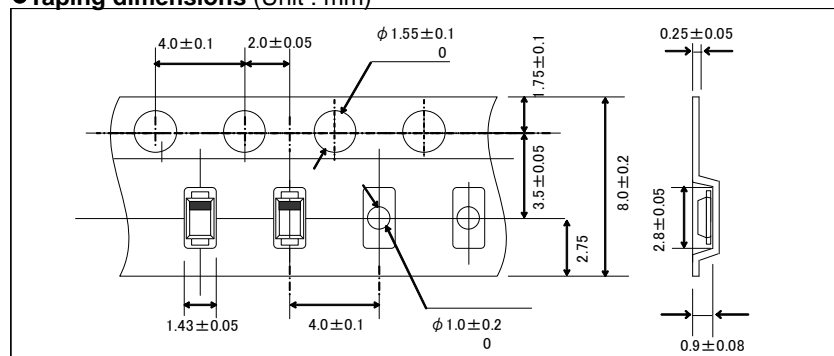
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



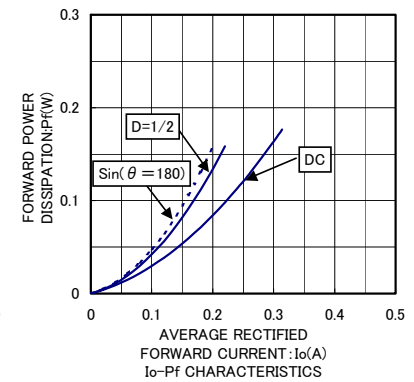
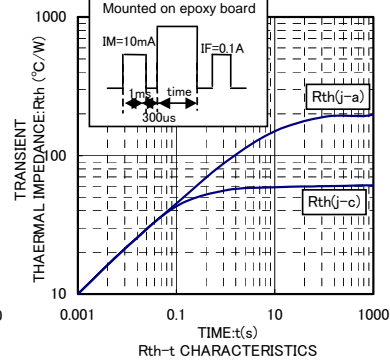
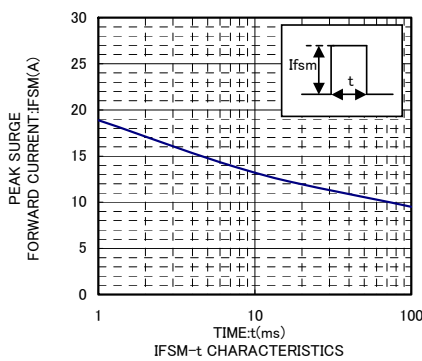
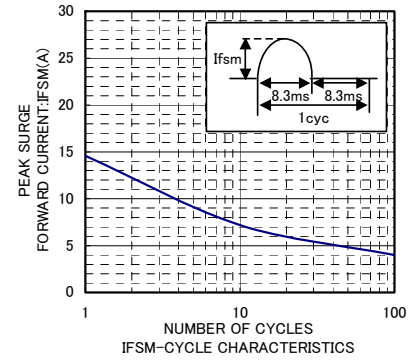
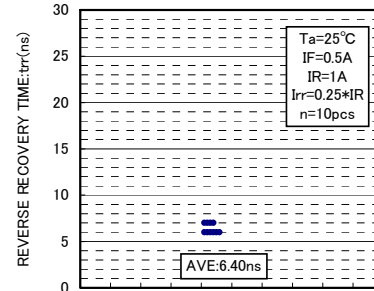
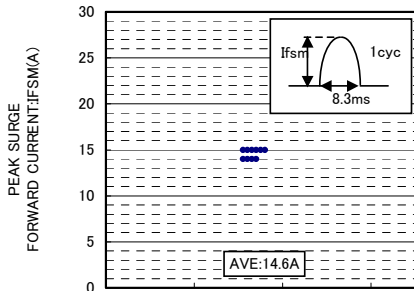
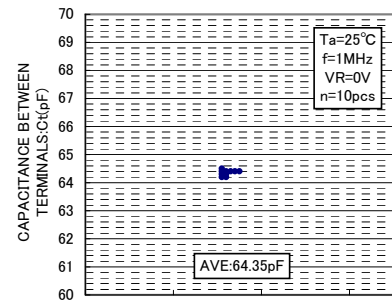
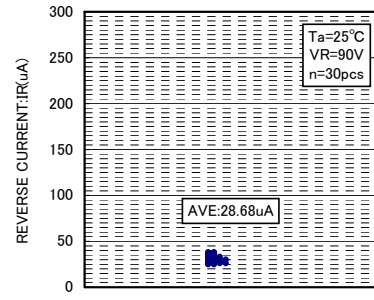
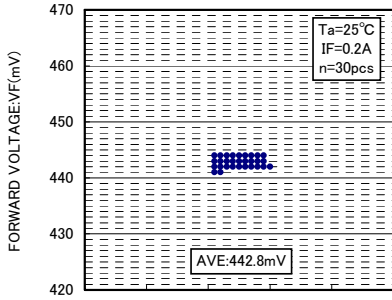
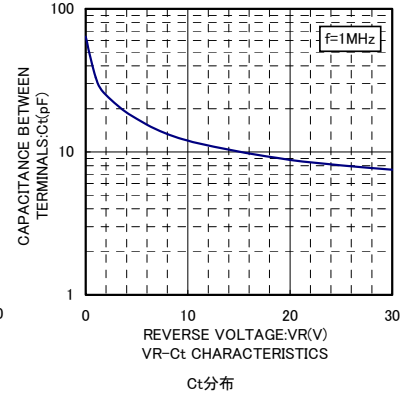
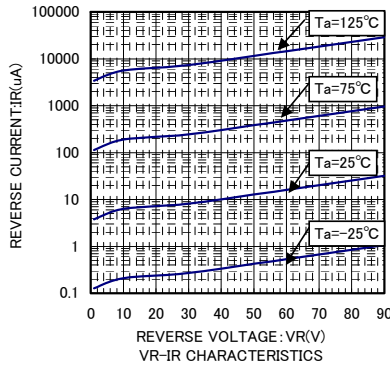
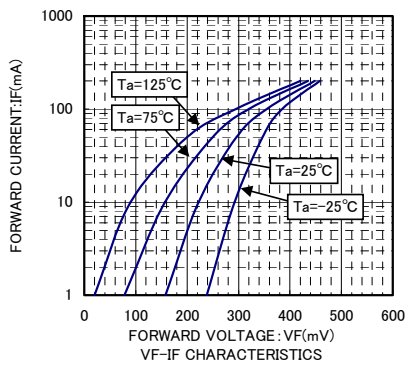
●Absolute maximum ratings (Ta=25°C)

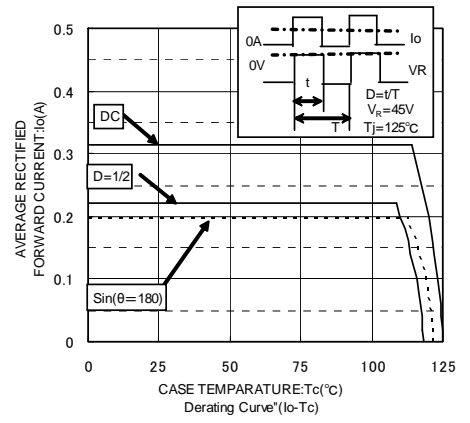
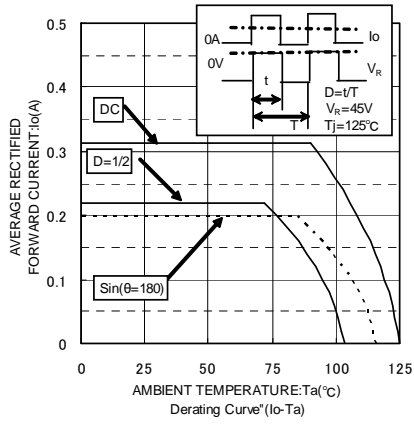
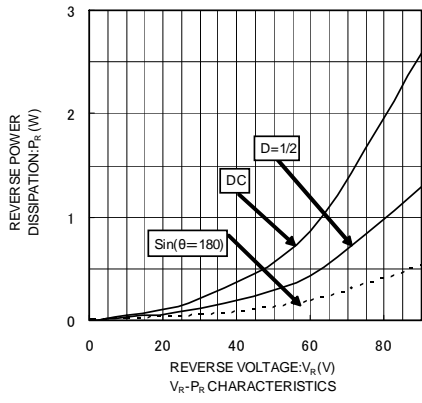
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	90	V
Reverse voltage (DC)	$V_R$	90	V
Average rectified forward current	$I_o$	0.2	A
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	5	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

●Electrical characteristic (Ta=25°C)

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

●Electrical characteristic curves(Ta=25°C)





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