

Schottky barrier Diode

RB021VA90

●Applications

General rectification

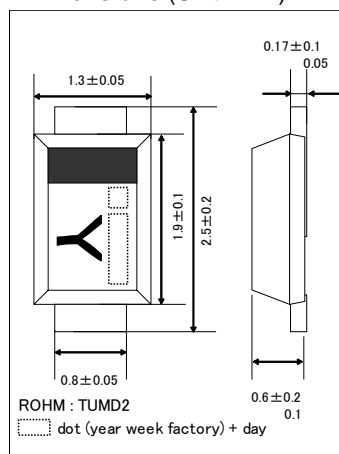
●Features

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

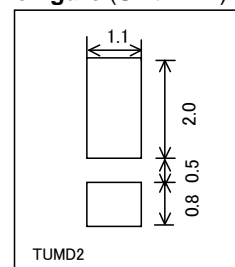
●Structure

Silicon epitaxial planar

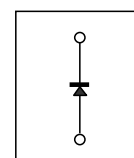
●Dimensions (Unit : mm)



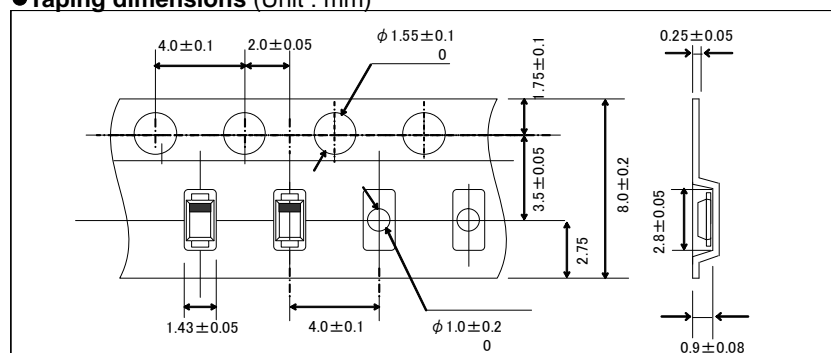
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



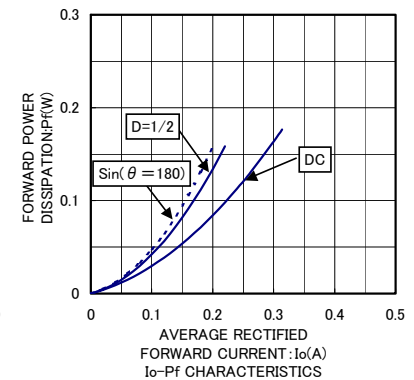
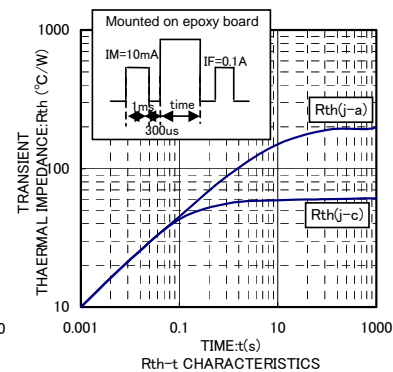
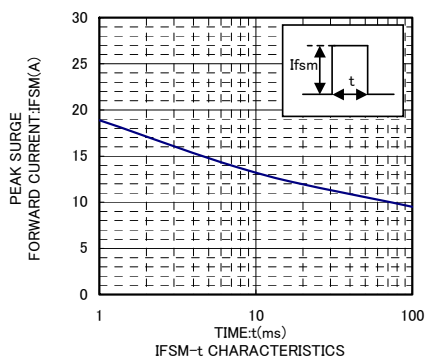
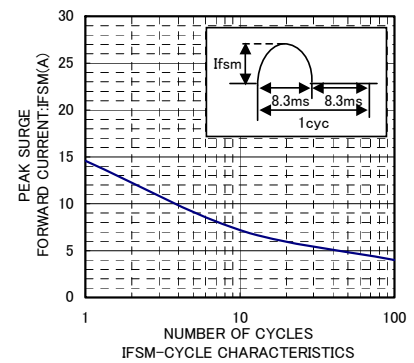
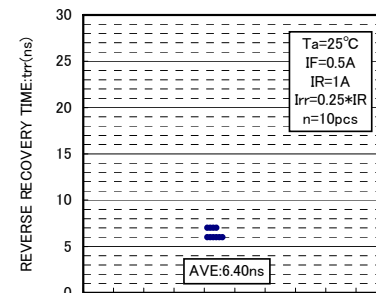
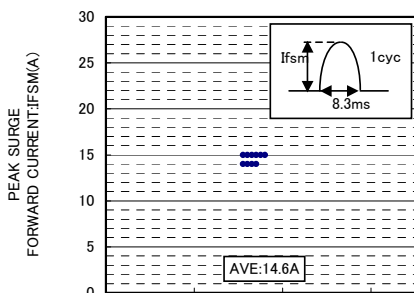
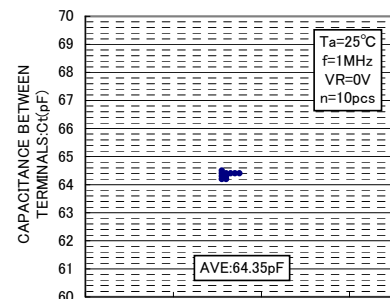
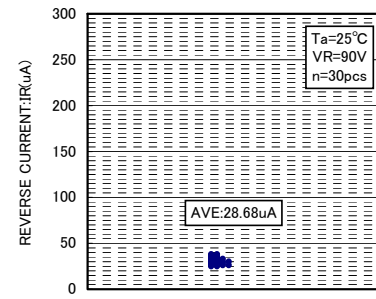
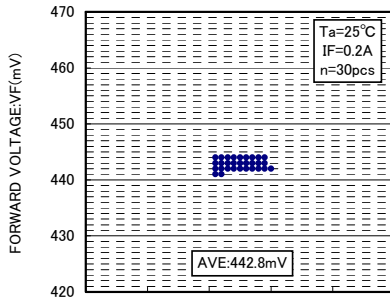
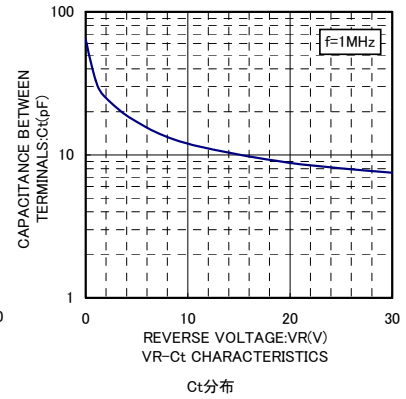
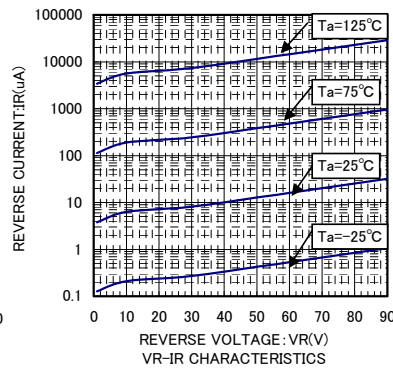
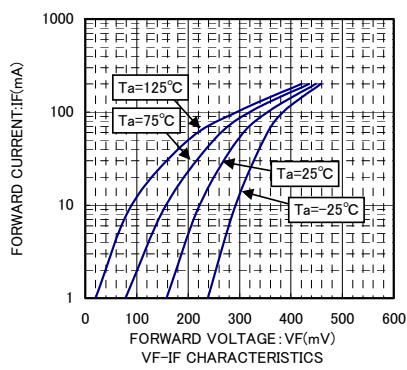
●Absolute maximum ratings (Ta=25°C)

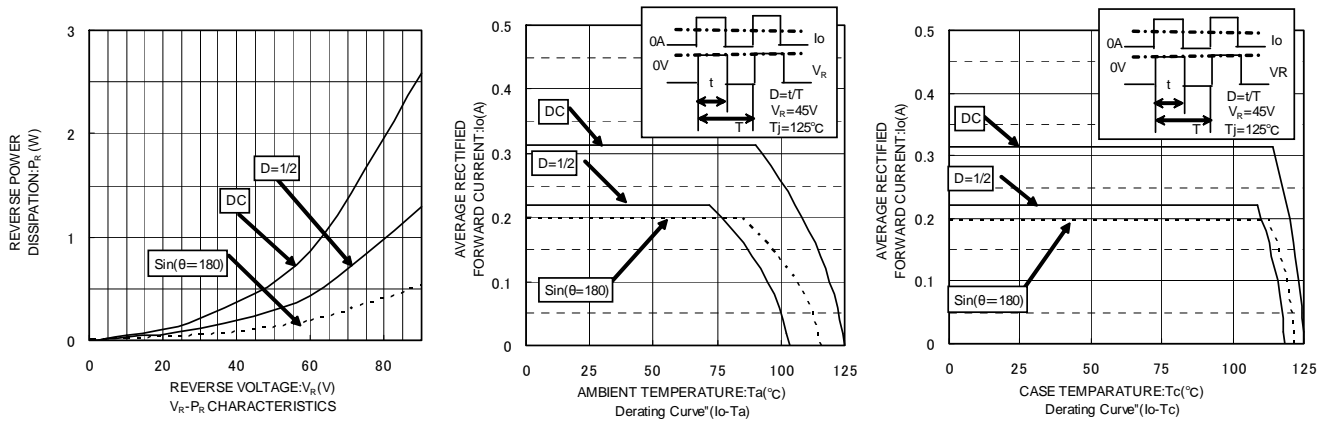
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	90	V
Reverse voltage (DC)	V_R	90	V
Average rectified forward current	I_o	0.2	A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	5	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

●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	μA	$V_R=90V$

●Electrical characteristic curves(Ta=25°C)





Notes

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