

Schottky barrier diode

RB411VA-50

● Applications

General rectification

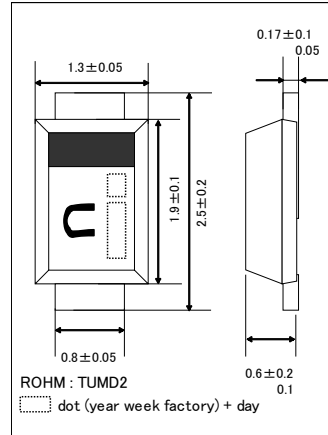
● Features

- 1) Small mold type. (TUMD2)
- 2) High reliability.

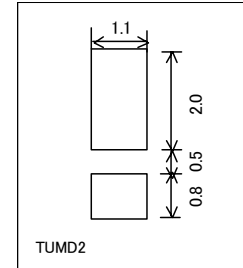
● Construction

Silicon epitaxial planar

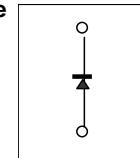
● External dimensions (Unit : mm)



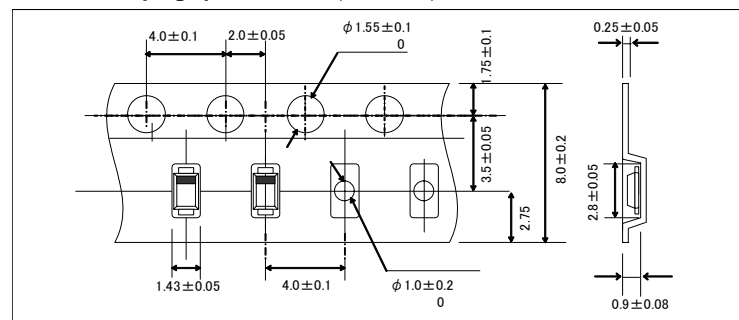
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

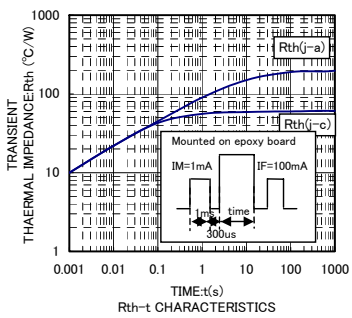
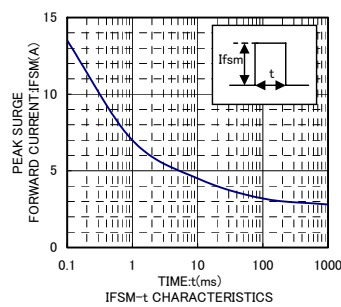
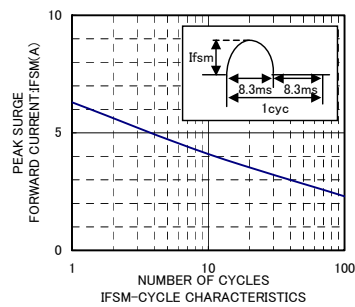
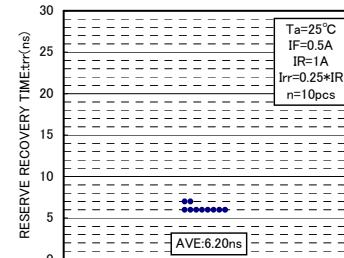
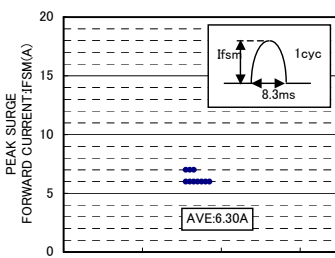
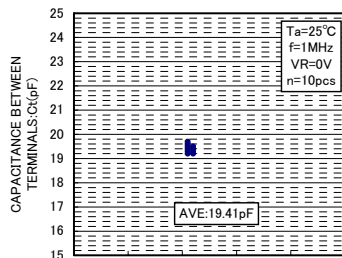
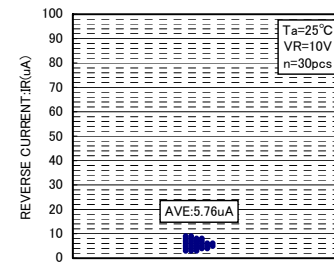
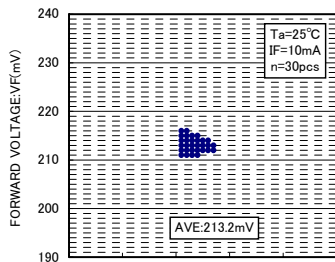
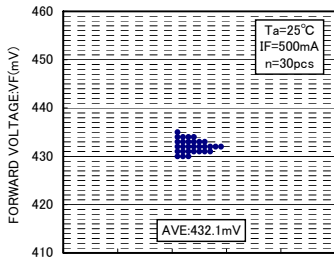
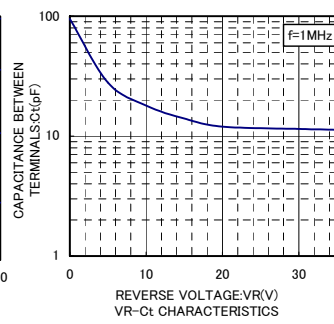
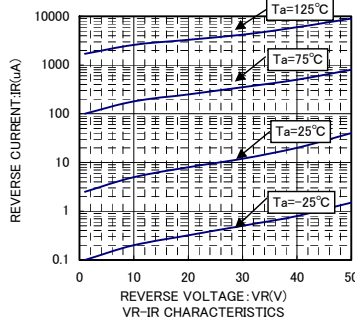
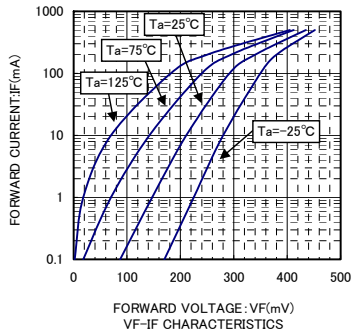
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	50	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current	I_o	0.5	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	3	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

● Electrical characteristics (Ta=25°C)

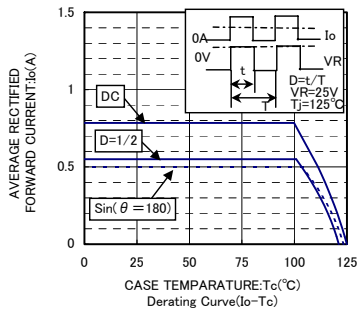
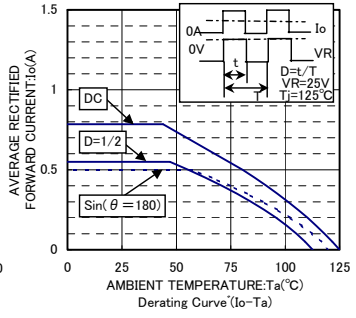
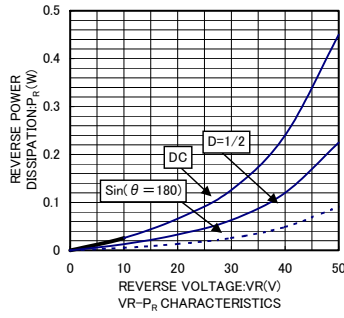
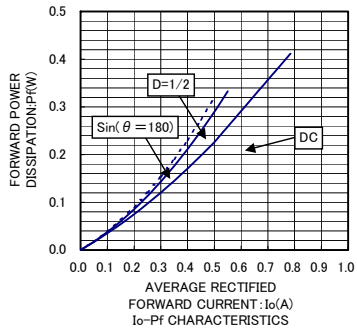
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	-	0.50	V	$I_F=500mA$
	V_{F2}	-	-	0.30	V	$I_F=10mA$
Reverse current	I_R	-	-	30	μA	$V_R=10V$
Capacitance between terminals	C_t	-	20	-	pF	$V_R=10V, f=1MHz$

Diodes

● Electrical characteristic curves (Ta=25°C)



Diodes



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