

Schottky Barrier Diode

RB471E

●Applications

Low current rectification

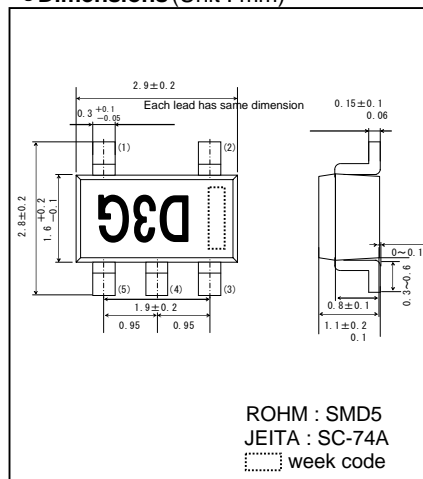
●Features

- 1) Small mold type. (SMD5)
- 2) High reliability.

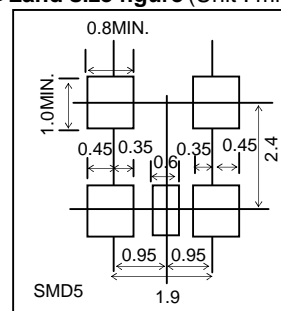
●Construction

Silicon epitaxial planar

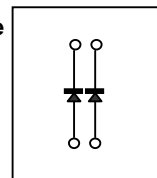
● **Dimensions** (Unit : mm)



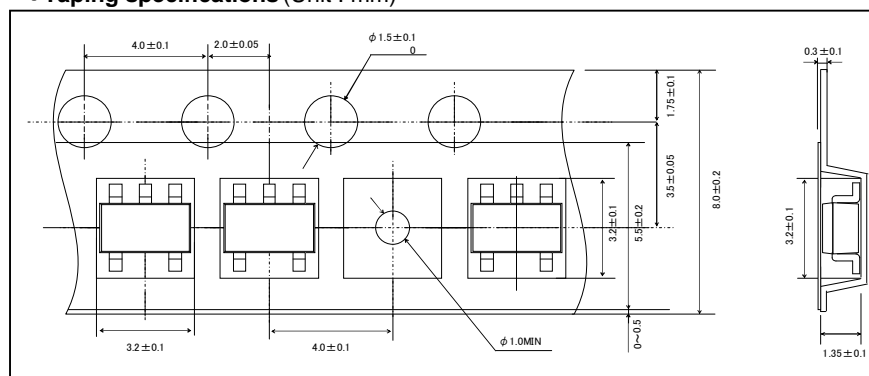
●Land size figure (Unit : mm)



● Structure



●Taping specifications (Unit : mm)



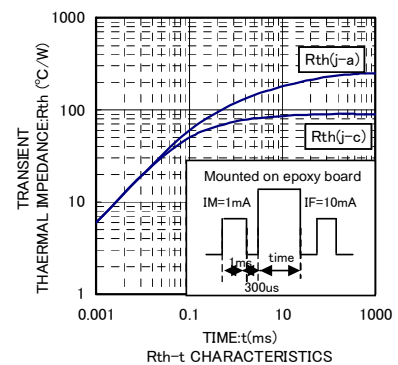
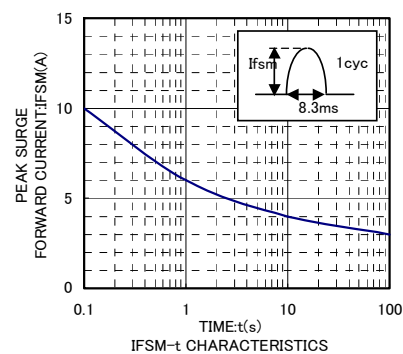
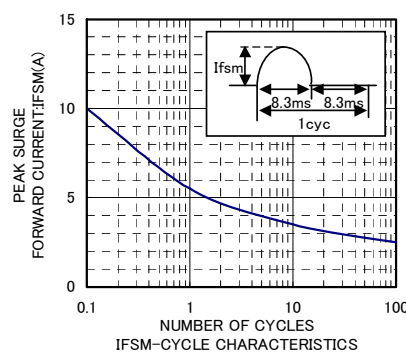
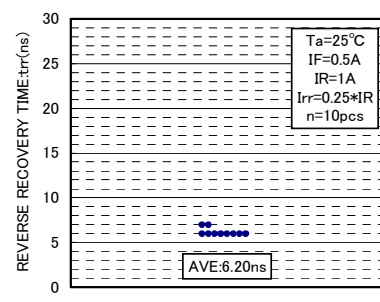
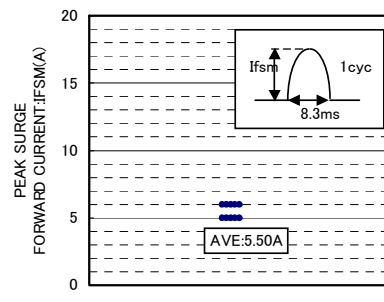
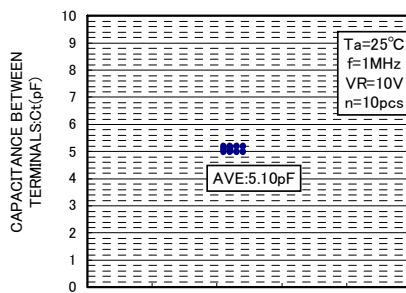
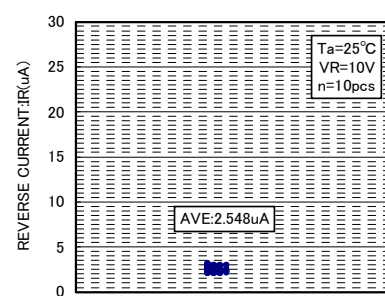
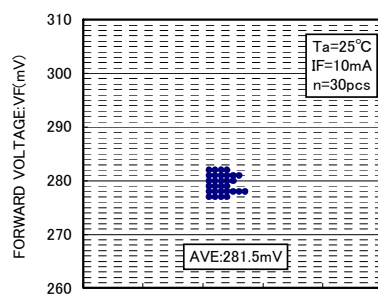
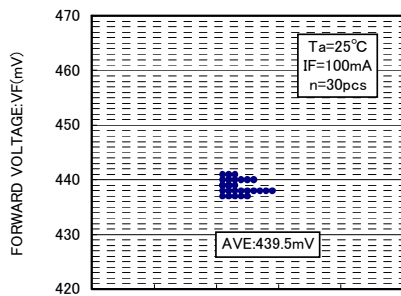
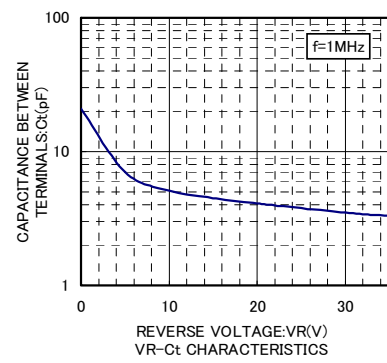
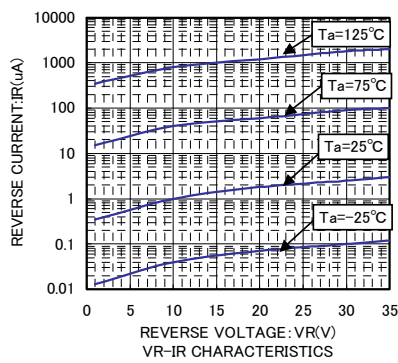
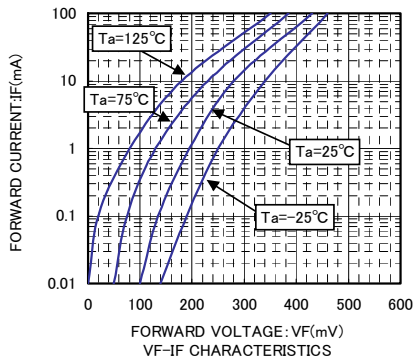
●Absolute maximum ratings (Ta=25°C)

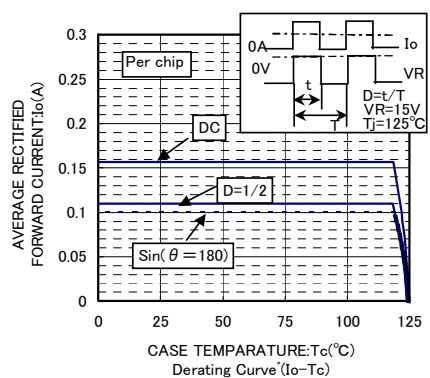
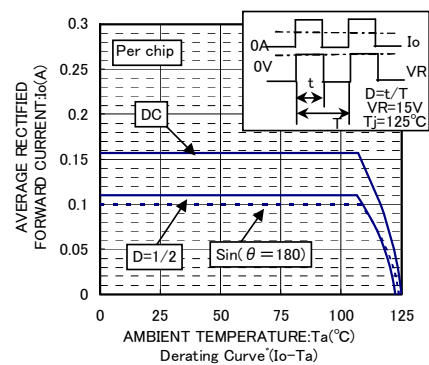
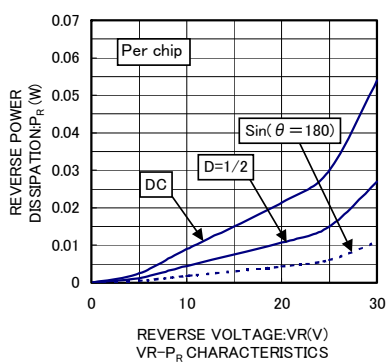
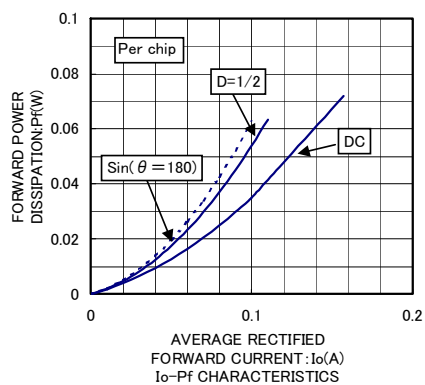
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	I_o	0.1	A
Forward current surge peak (60Hz · 1cyc) (*1)	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _{F1}	-	-	0.55	V	I _F =100mA
	V _{F2}	-	-	0.34	V	I _F =10mA
Reverse current	I _R	-	-	30	μA	V _R =10V
Capacitance between terminals	C _t	-	-	6	pF	V _R =10V, f=1MHz





Notes

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