

Schottky Barrier Diode

RB550EA

●Applications

Low current rectification

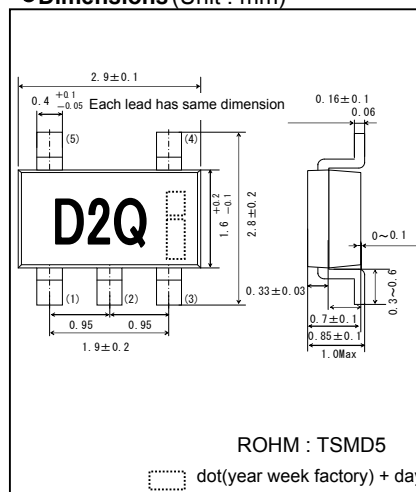
●Features

- 1) Small mold type. (TSMD5)
- 2) Low V_F , Low I_R
- 3) High reliability

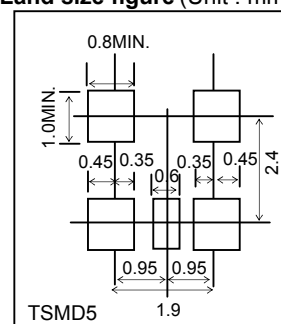
●Construction

Silicon Epitaxial Planer

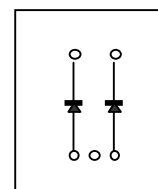
● **Dimensions** (Unit : mm)



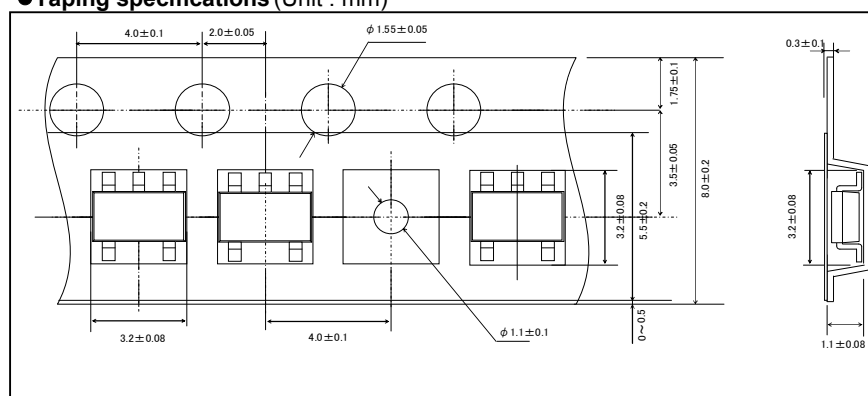
●Land size figure (Unit : mm)



● Structure



●Taping specifications (Unit : mm)



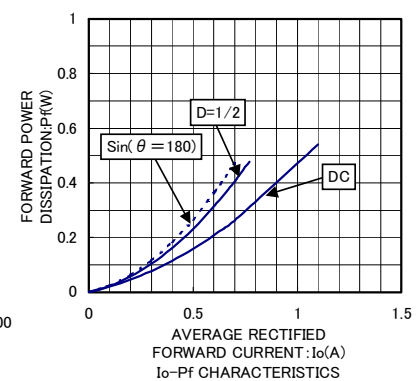
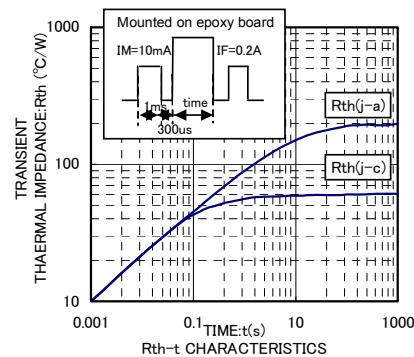
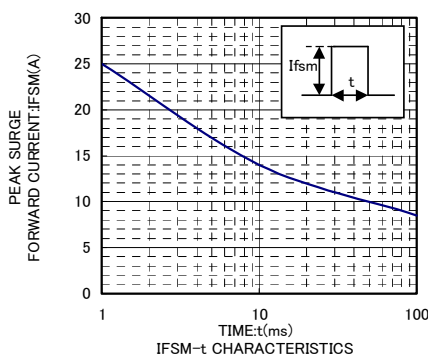
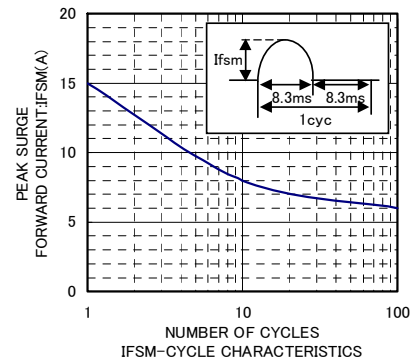
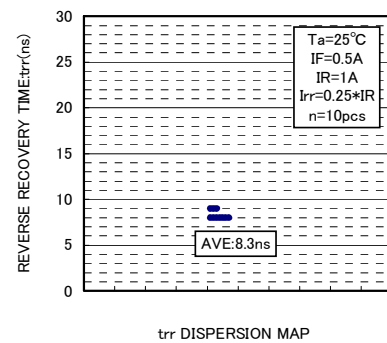
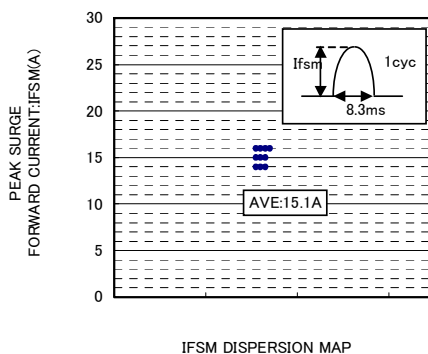
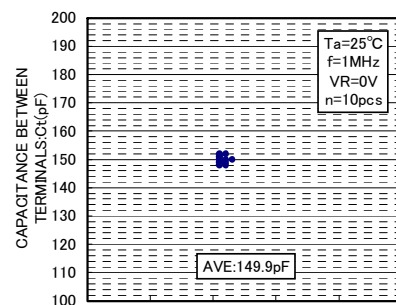
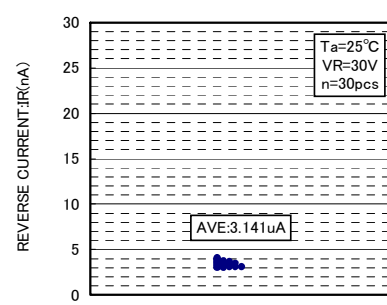
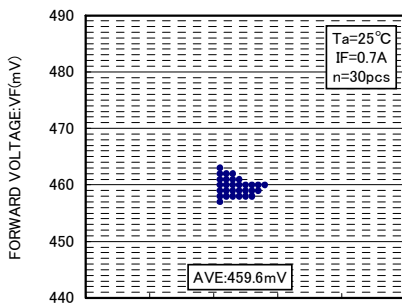
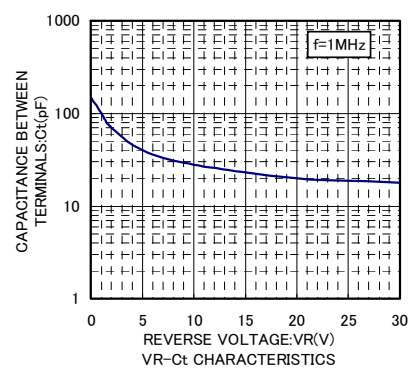
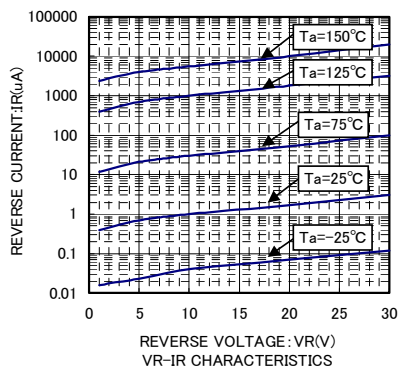
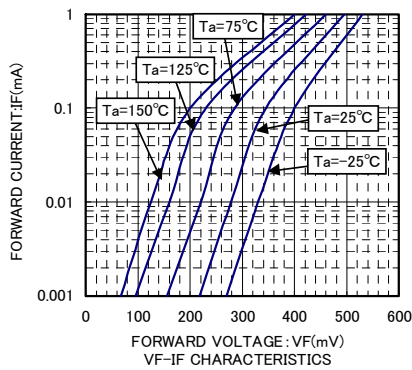
●Absolute maximum ratings (Ta=25°C)

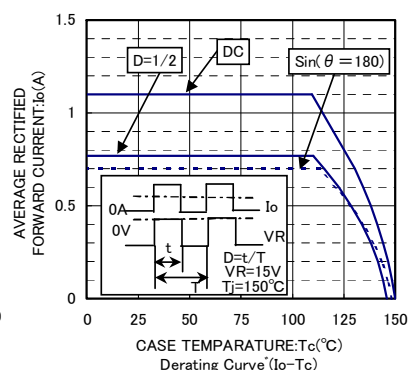
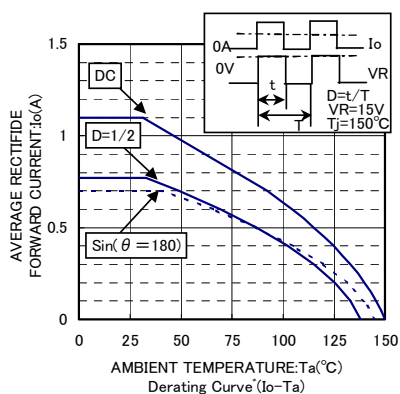
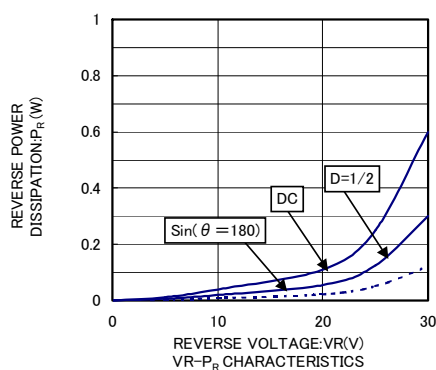
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current (*1)	I_o	0.7	A
Forward current surge peak (t=1msec)	I_{FSM}	12	A
Junction temperature	T_J	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

(*1)Rating of per diode.

●Electrical characteristics (Ta=25°C, Rating of per diode.)

Electrical Characteristics (Ta= 25°C, Rating of per diode.)						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F 1	0.39	0.45	0.49	V	I _F =0.7A
Reverse current	IR1	-	1	30.00	μA	V _R =10V
	IR2		5.0	50	μA	V _R =30V
ESD break down voltage	ESD	15	-	-	KV	C=100pF,R=1.5KΩ Forward and reverse : 1 times





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