

Schottky Barrier Diode

RB550SS-30

●Applications

Small current rectification

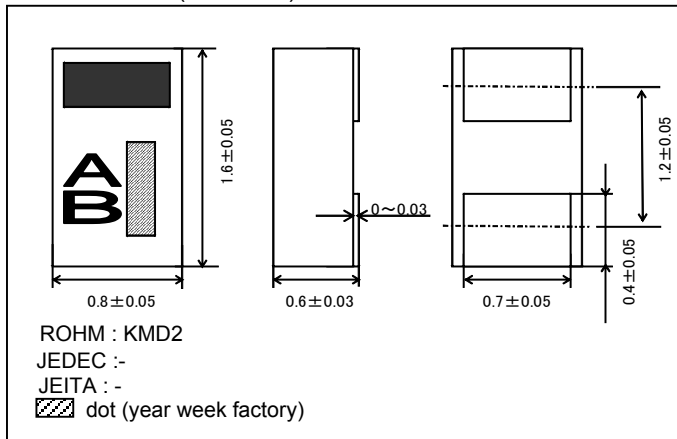
●Features

- 1) Small mold type (KMD2)
- 2) High reliability
- 3) Low I_R

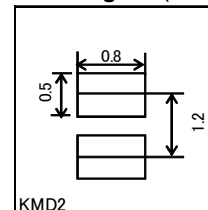
●Construction

Silicon epitaxial planer

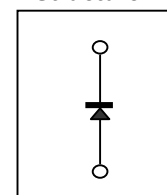
●Dimensions (Unit : mm)



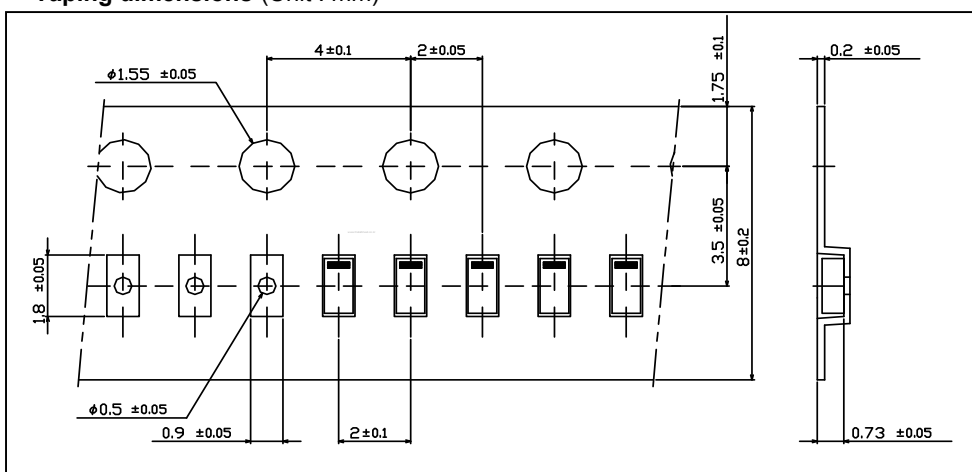
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



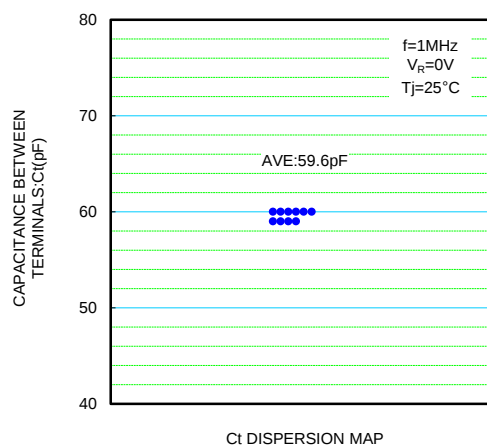
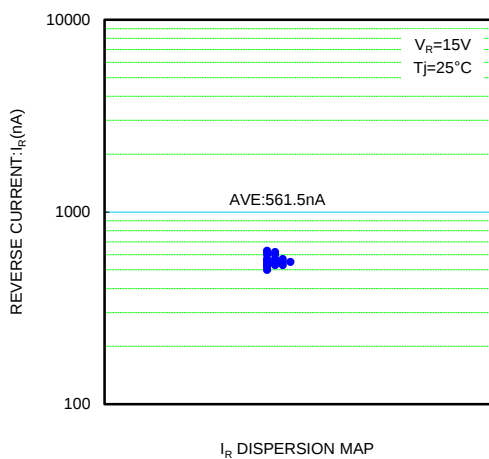
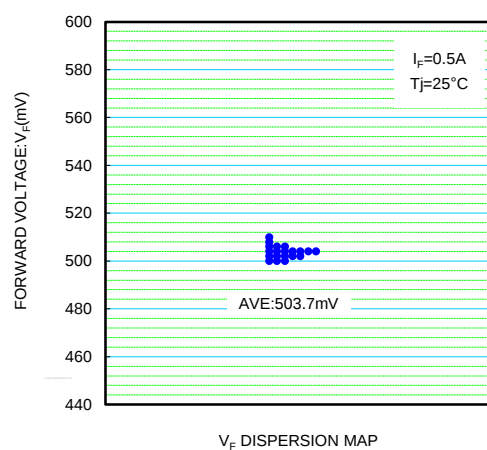
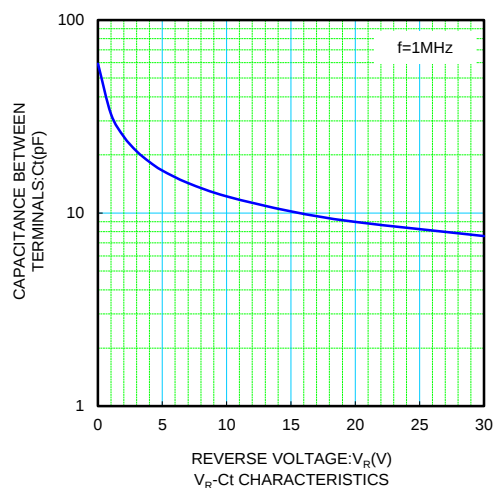
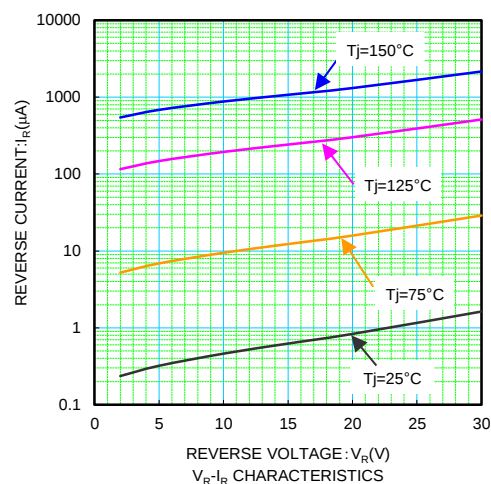
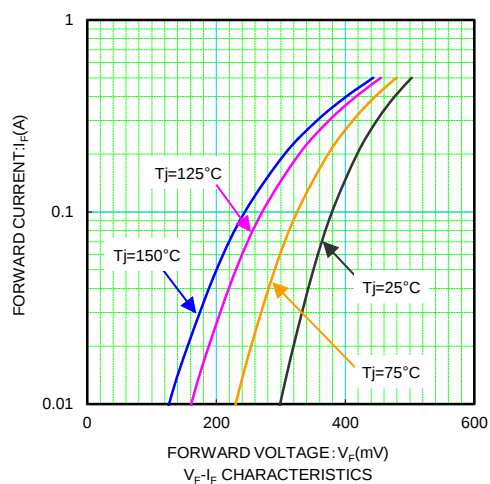
●Absolute maximum ratings (Ta=25°C)

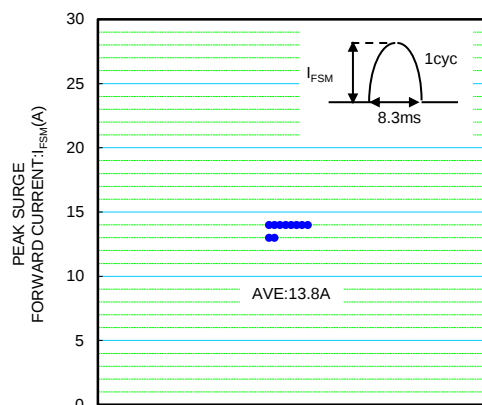
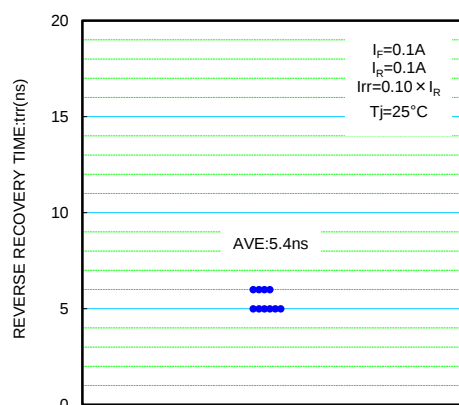
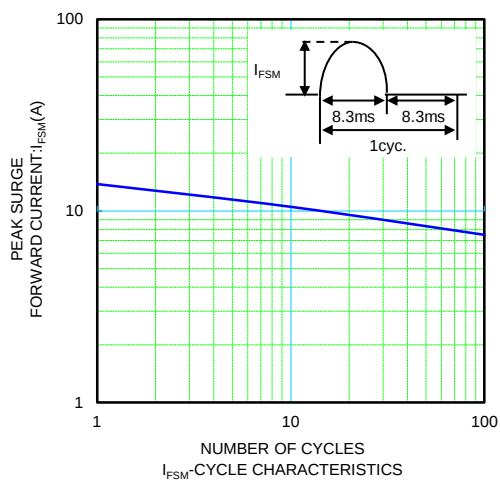
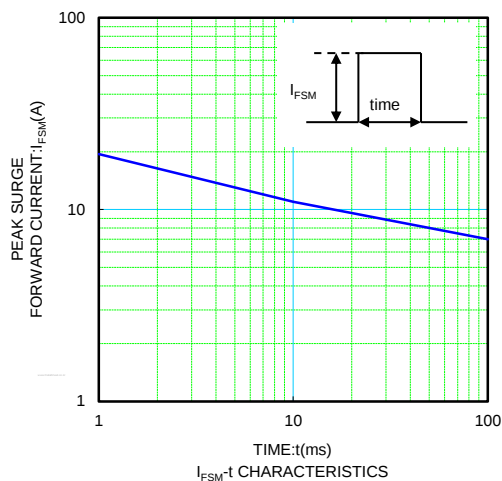
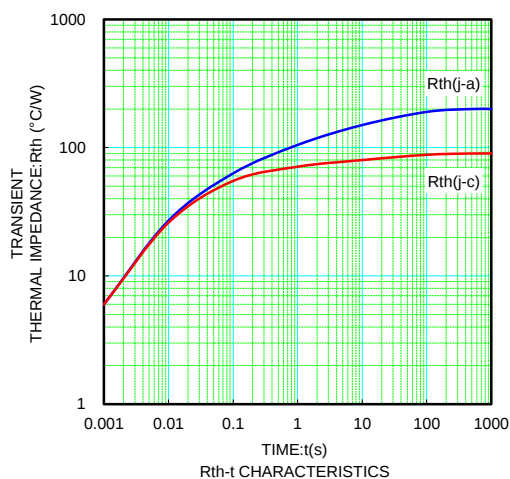
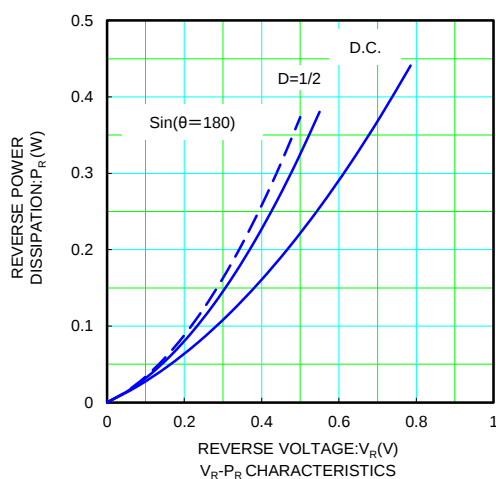
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current (*1)	I_o	0.5	A
Forward current surge peak (60Hz · 1cyc.)	I_{FSM}	5	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

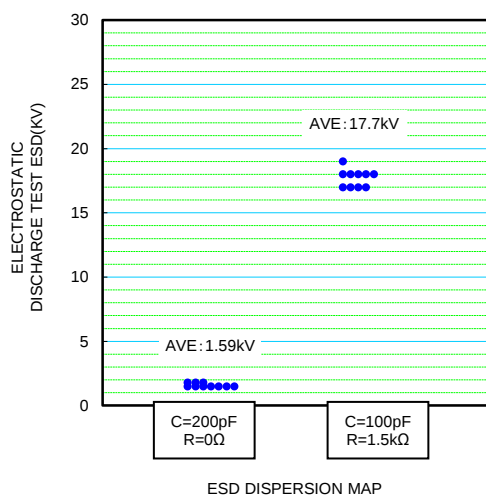
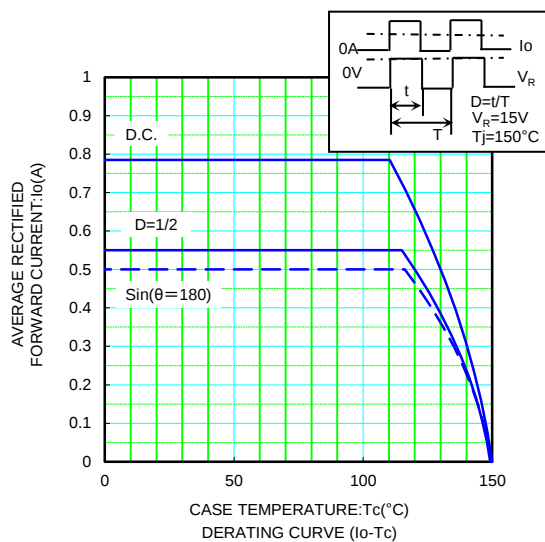
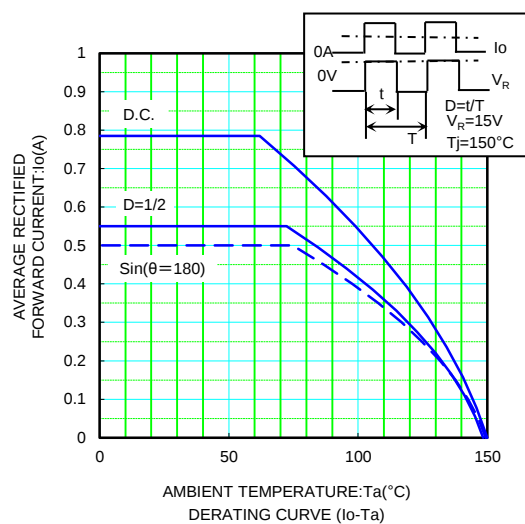
(*1) On the Glass epoxy board , 180°Half Sine wave

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward Voltage	V_F	-	0.53	0.59	V	$I_F=0.5A$
Reverse Current	I_R	-	1.00	8.00	μA	$V_R=15V$



 I_{FSM} DISPERSION MAP trr DISPERSION MAP I_{FSM} -CYCLE CHARACTERISTICS I_{FSM} - t CHARACTERISTICS R_{th} - t CHARACTERISTICS V_R - P_R CHARACTERISTICS



Notes

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