

RB496EA

Diodes

# Schottky barrier diode

## RB496EA

●Applications

Low current rectification

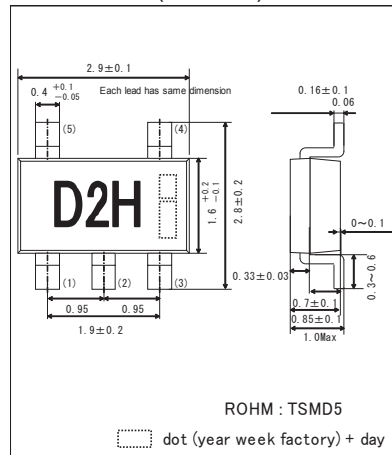
●Features

- 1) Small mold type (TSMD5)
- 2) Low Ir
- 3) High reliability

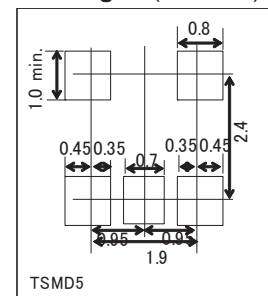
●Structure

Silicon epitaxial planer

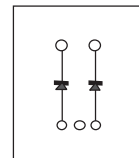
●Dimensions (Unit : mm)



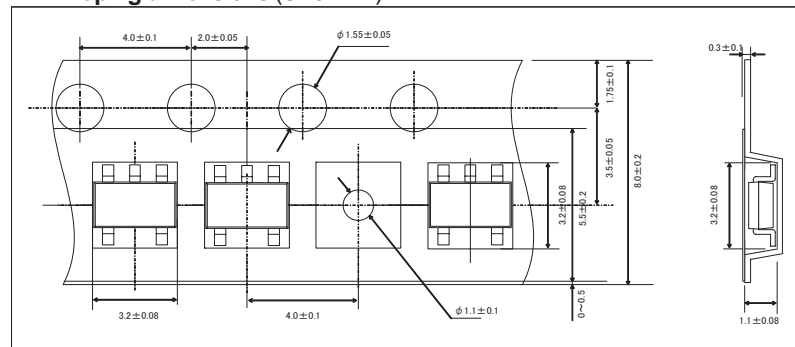
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage	$V_R$	20	V
Average rectified forward current (*1)	$I_O$	1	A
Forward current surge peak (60Hz · 1cyc) (*1)	$I_{FSM}$	10	A
Junction temperature	$T_J$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

(\*1) Rating of per diode

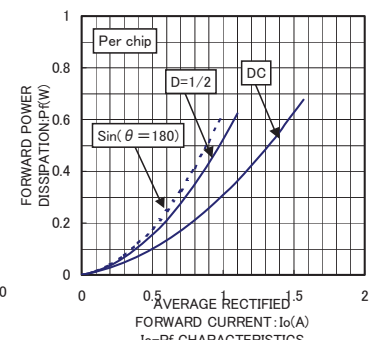
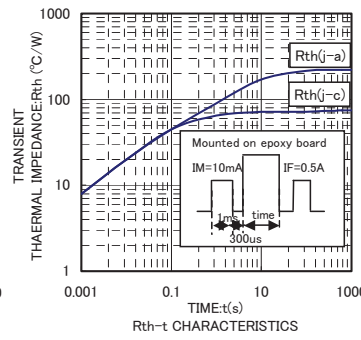
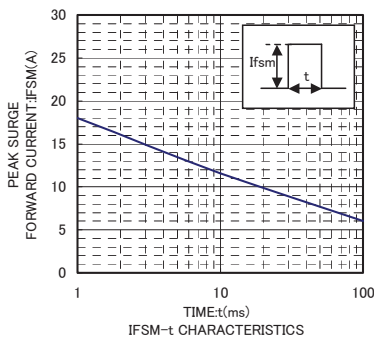
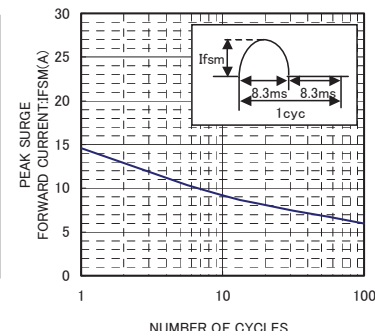
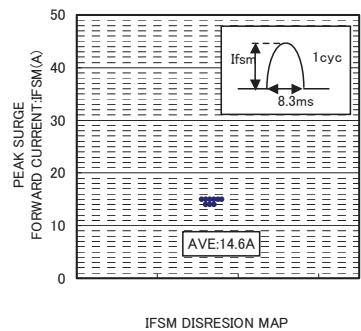
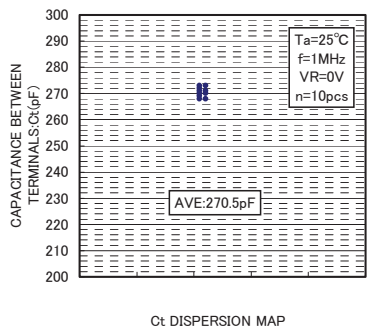
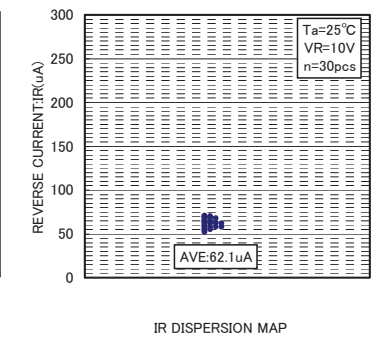
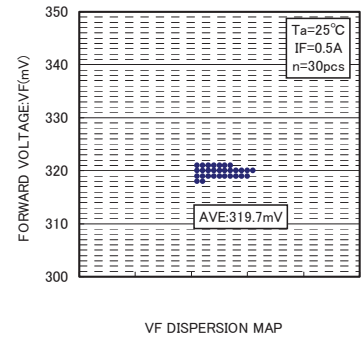
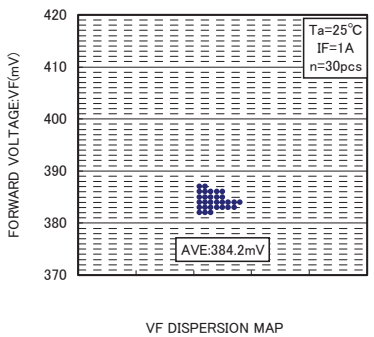
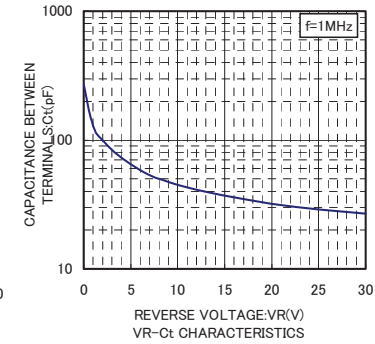
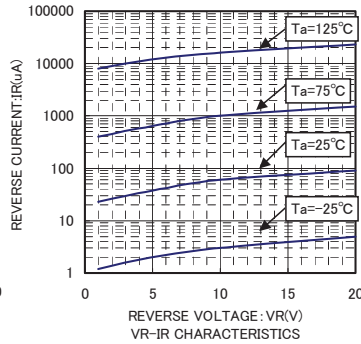
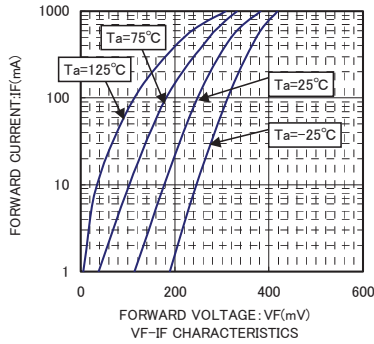
●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.35	V	$I_F=0.5A$
	$V_{F2}$	-	-	0.40	V	$I_F=1A$
Reverse current	$I_R$	-	-	500	μA	$V_R=10V$

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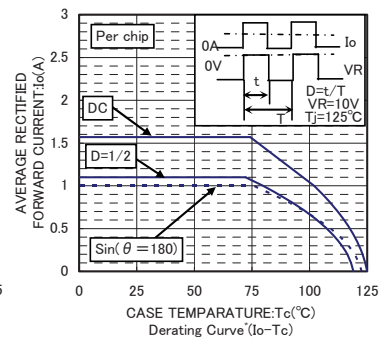
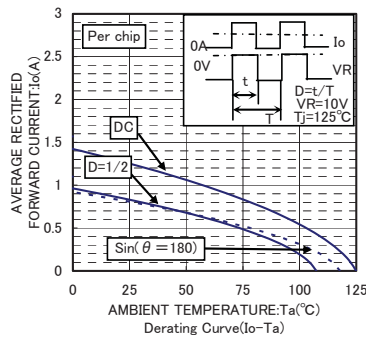
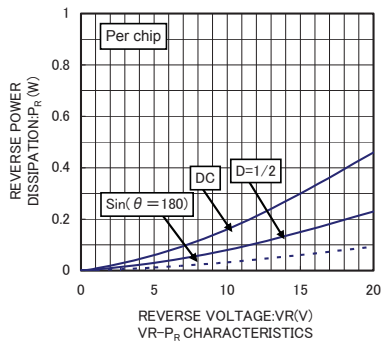
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### ●Electrical characteristic curves



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## Appendix

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