Schottky barrier diode RB496EA

Applications

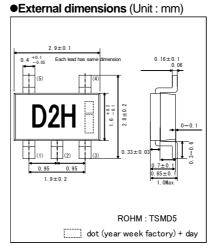
Low current rectification

● Features

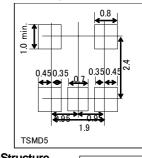
- 1) Small mold type (TSMD5)
- 2) Low IR
- 3) High reliability

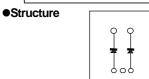
Structure

Silicon epitaxial planer

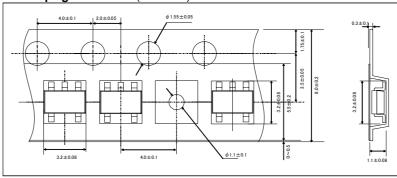


●Land size figure (Unit : mm)





●Taping dimensions (Unit: mm)



● Absolute maximum ratings (Ta=25°C)

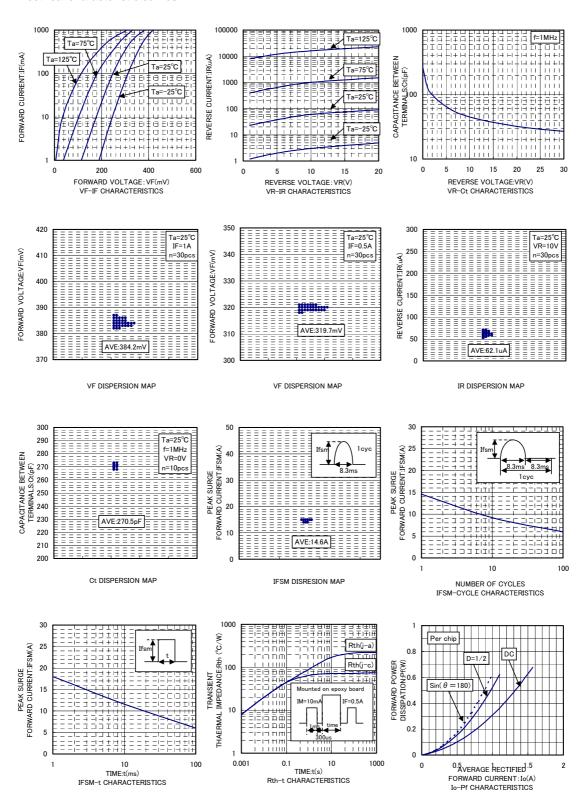
Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	20	V
Average rectified forward current (*1)	lo	1	Α
Forward current surge peak (60Hz · 1cyc) (*1)	I _{FSM}	10	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

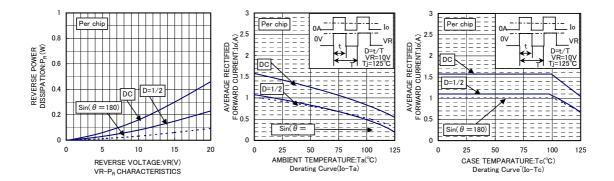
^(*1) Rating of per diode

●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_F1	-	-	0.35	V	I _F =0.5A
	V _F 2	-	-	0.40	V	I _F =1A
Reverse current	I _R	1	-	500	μA	V _R =10V

Electrical characteristic curves





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