Schottky barrier diode RB550EA

Applications

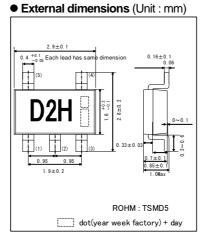
Low current rectification

● Features

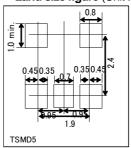
- 1) Small mold type. (TSMD5)
- 2) Low V_F , low I_R .
- 3) High reliability.

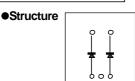
Construction

Silicon epitaxial planar

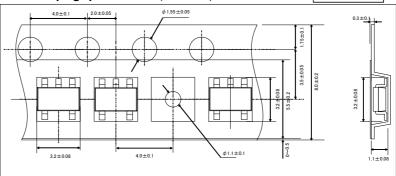


• Land size figure (Unit : mm)









● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit		
Reverse voltage (DC)	V_R	30	V		
Average rectified forward current (*1)	lo	0.7	Α		
Forward current surge peak (t=1msec)	I _{FSM}	12	Α		
Junction temperature	Tj	150	°C		
Storage temperature	Tstg	-40 to +150	°C		

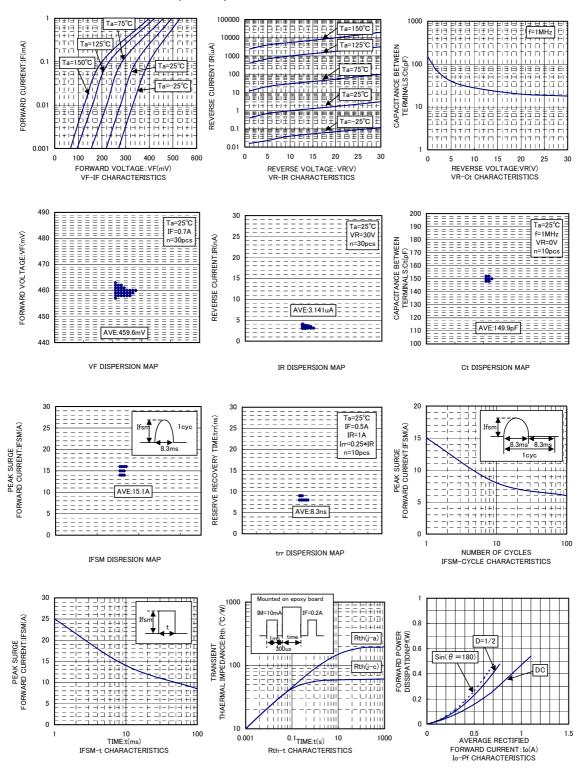
^(*1) Rating of per diode.

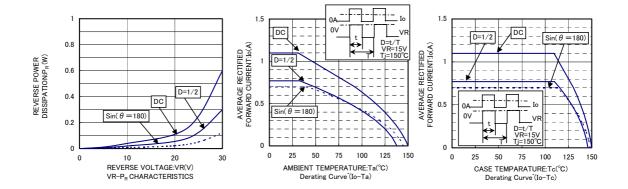
● Electrical characteristics (Ta=25°C, Rating of per diode.)

Parameter	Symbol	Min.	Тур.	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=100 _P F,R=1.5KΩ
						Forwad and reverse : 1 times



●Electrical characteristic curves (Ta=25°C)





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