

Shottky barrier diode

RB400D

Applications

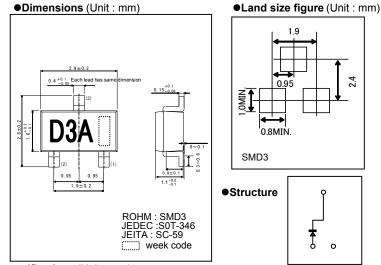
Low current rectification

● Features

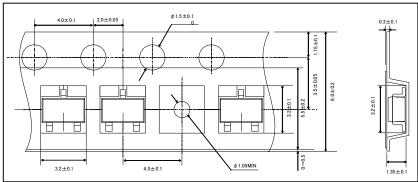
- 1) Small mold type. (SMD3)
- 2) Low IR
- 3) High reliability.

● Construction

Silicon epitaxial planar



●Taping specifications (Unit: mm)



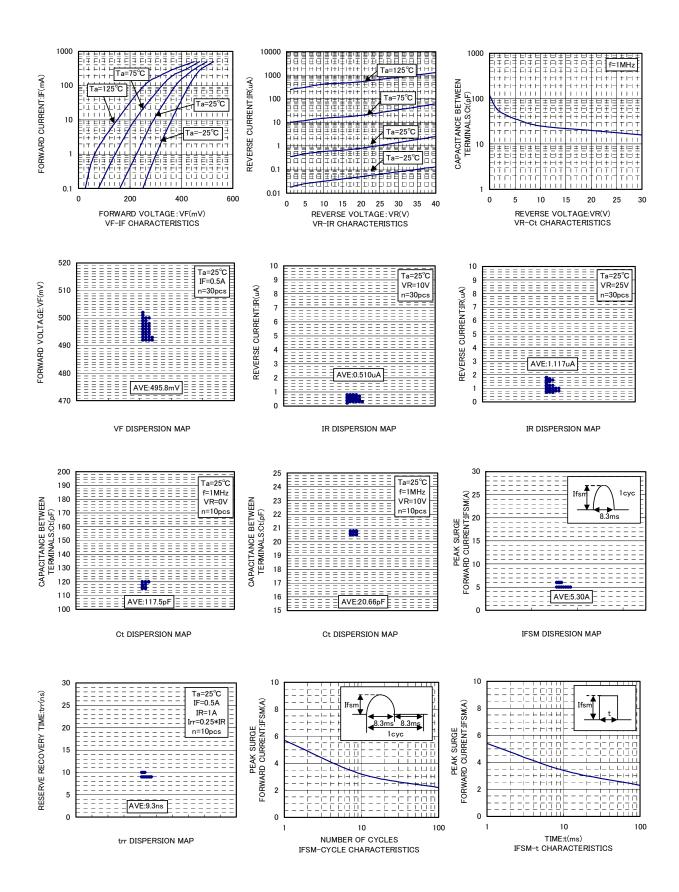
●Absolute maximum ratings (Ta=25°C)

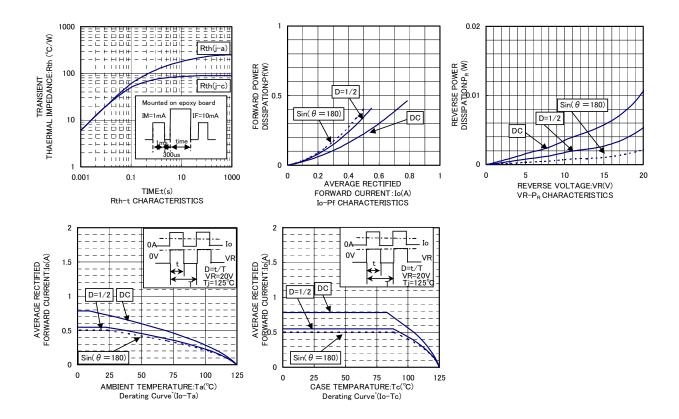
Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive peak)	V_{RM}	40	V			
Reverse voltage (DC)	V_R	40	V			
Average rectified forward voltage (*1)	lo	500	mA			
Forward current surge peak (60Hz- 1cyc) (*1)	I _{FSM}	3	Α			
Junction temperature	Tj	125	°C			
Storage temperature	Tstg	-40 to +125	°C			

^(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.55	V	I _F =500mA
Reverse current	I _R 1	-	-	30	μΑ	V _R =10V
	I _R 2	-	-	50	μΑ	V _R =30V
Capacitance between terminals	Ct1	-	125	-	pF	V _R =0V , f=1MHz
	Ct2	-	20	-	pF	V _R =10V , f=1MHz





Notes

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