Shottky barrier diode

RB425D

Application

Low current rectification

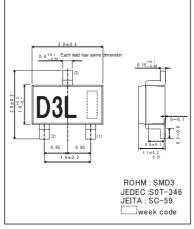
Features

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

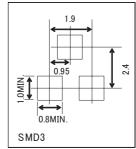
●Structure

Silicon epitaxial planar

●Dimensions (Unit:mm)



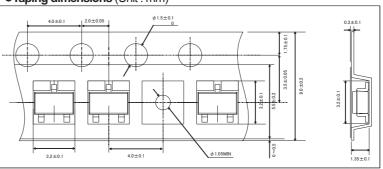
●Lead size figure (Unit : mm)



●Structure



● Taping dimensions (Unit: mm)



● Absolute maximum ratings (Ta=25°C)

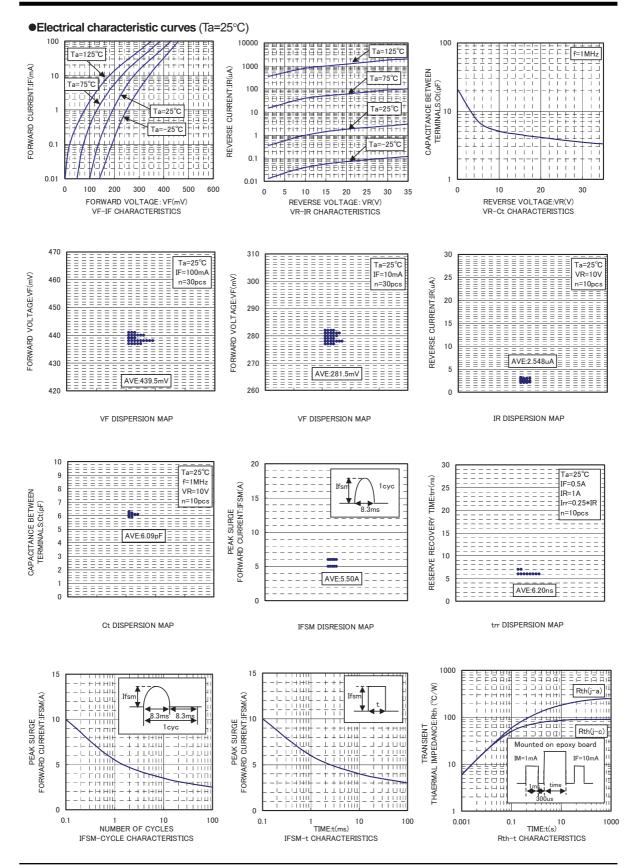
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	lo	100	mA
Forward current surge peak (60Hz•1cyc)(*1)	I _{FSM}	1	А
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

^(*1)Rating of per diode

●Electrical characteristics (Ta=25°C)

Liectifical Characteristics (1a-25 C)						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.55	V	I _F =100mA
	V _F 2	-	1	0.34	V	I _F =10mA
Reverse current	I _R 1	-	1	30	μA	V _R =10V
Capacitance between terminals	Ct1	-	6	-	pF	V _R =10V , f=1MHz

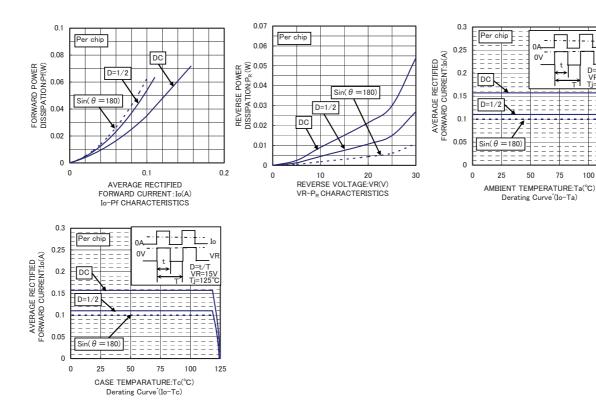




75

100

125



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