Schottky barrier diode

RB421D

Applications

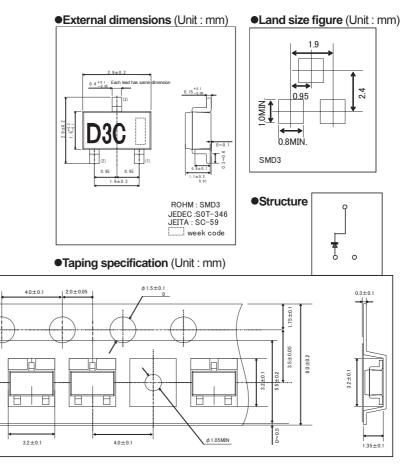
Low power rectification

Features

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

Construction

Silicon epitaxial planar



●Absolute maximum ratings (Ta = 25°C)

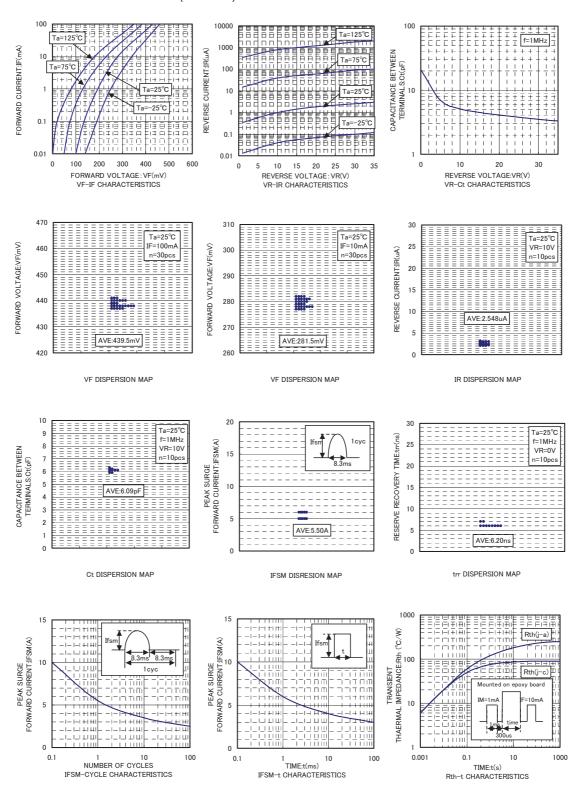
Thoolate maximum ratings (10 20 0)			
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	lo	100	mA
Forward current surge peak (60Hz•1cyc) (*1)	I _{FSM}	1	Α
Junction temperature	Tj	125	°C
Storage temperature	Tsta	-40 to +125	°C

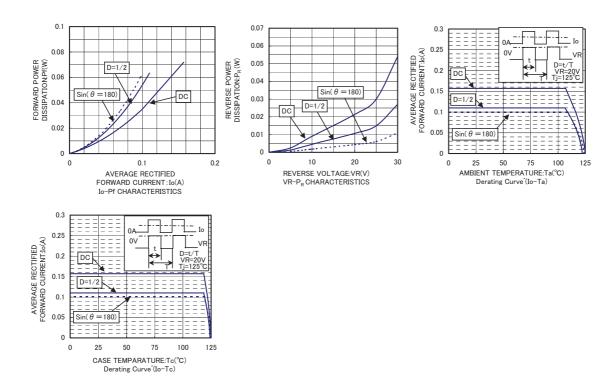
^(*1) Rating of per diode

● Electrical characteristics (Ta = 25°C)

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

●Electrical characteristic curves (Ta = 25°C)





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