

Schottky Barrier Diode

RB451F

Applications

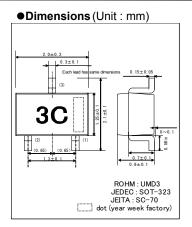
Low current rectification

Features

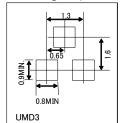
- 1) Small mold type. (UMD3)
- 2) Low V_F
- 3) High reliability.

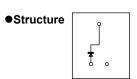
Construction

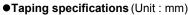
Silicon epitaxial planer

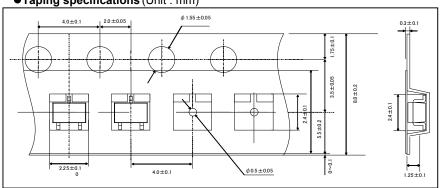


●Land size figure (Unit : mm)







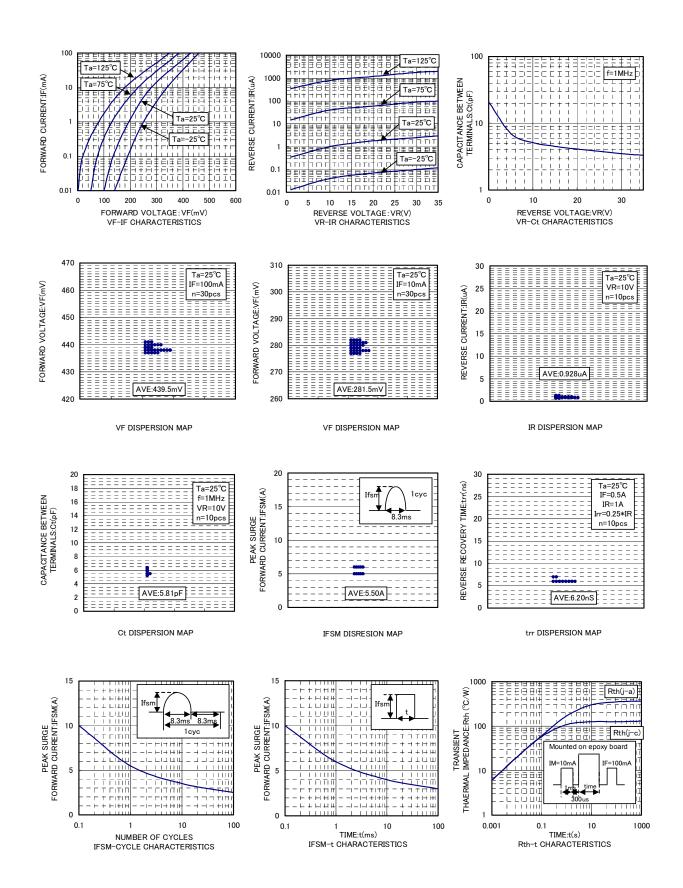


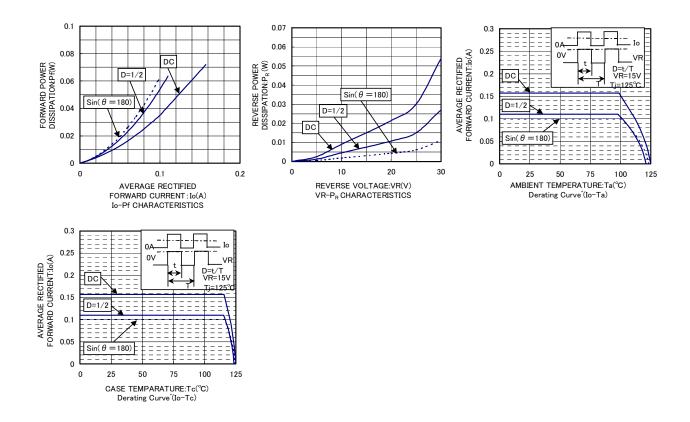
● Absolute maximum ratings (Ta=25°C)

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

●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	-	-	30	μA	V _R =10V	
Capacitance between terminals	Ct	-	6.0	-	pF	V _R =10V , f=1MHz	





Notes

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