Shottky barrier diode

RB451F

Application

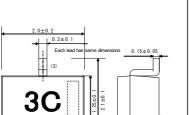
Low current rectification

Features

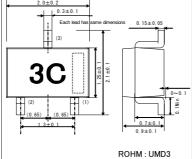
- 1) Small mold type. (UMD3)
- 2) Low V_F
- 3) High reliability.

Construction

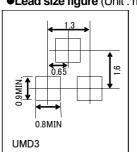
Silicon epitaxial planer

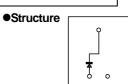


●External dimensions (Unit : mm)



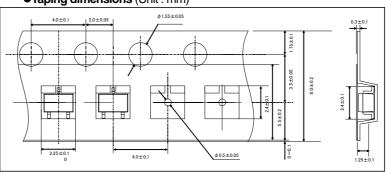
●Lead size figure (Unit : mm)







dot (year week factory)



● Absolute maximum ratings (Ta=25°C)

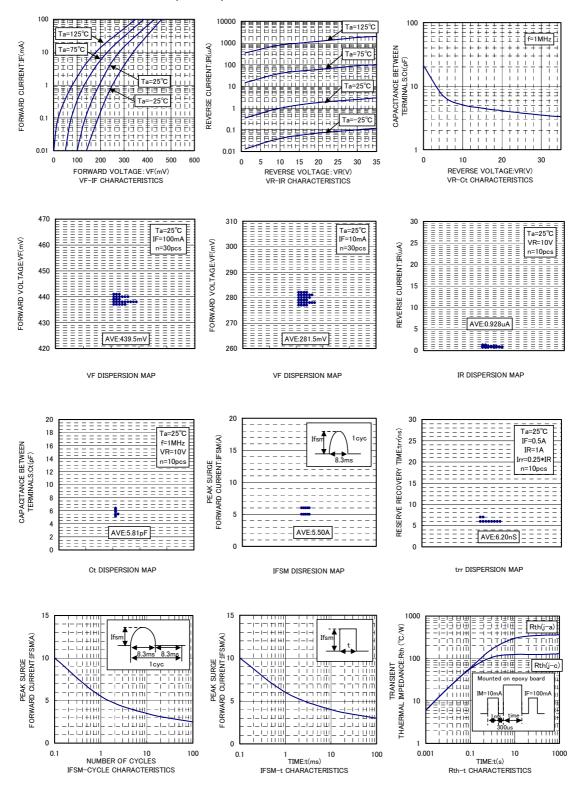
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	lo	100	mA
Forward current surge peak(60Hz-1cyc)	I _{FSM}	1	Α
Junction temperature	Tj	125	°C
Storage temperatue	Tstg	-40 to +125	°C

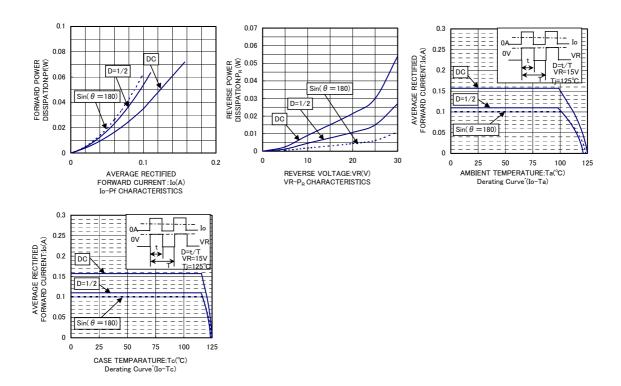
●Electrical characteristics (Ta=25°C)

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

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●Electrical characteristic curves (Ta=25°C)





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