Shottky barrier diode RB480K

Applications

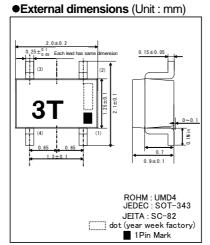
Low current rectification

Features

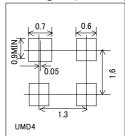
- 1) Ultra small mold type. (UMD4)
- 2) Low IR.
- 3) High reliability.

●Construction

Silicon epitaxial planar



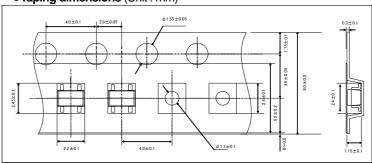
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

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Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive peak)	V_{RM}	45	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	Tstg	-40 to +125	°C			

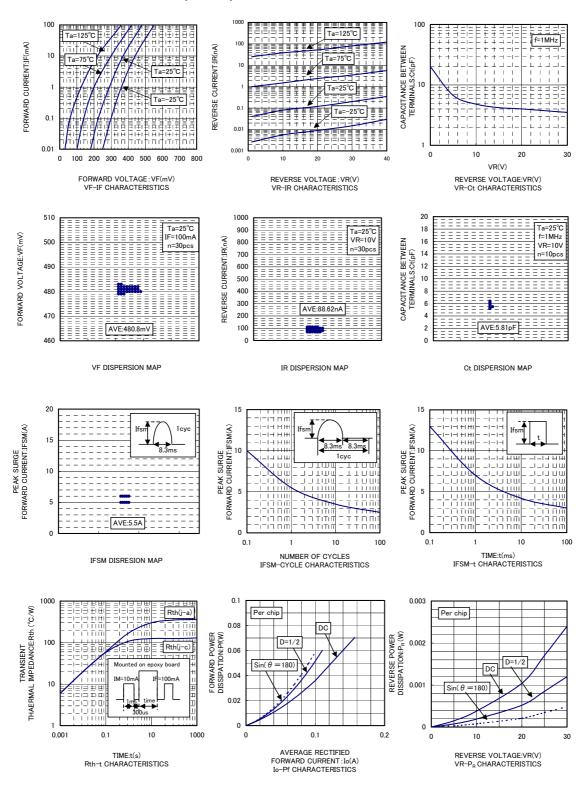
(*1) Rating of per diode

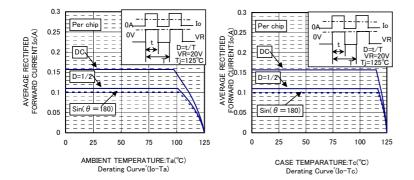
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}1$	-	-	0.45	V	I _F =10mA
	V _F 2	-	-	0.6	V	I _F =100mA
Reverse current	I _R 1	-	-	1	μΑ	V _R =10V
	I _R 2	-	-	5	μΑ	V _R =40V
Capacitance between terminals	Ct1	-	6	-	pF	V _R =10V , f=1MHz
	Ct2	-	-	25	pF	V _R =0V



●Electrical characteristic curves (Ta=25°C)





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