

Schottky Barrier Diode

RB480K / RB480KFH

Datasheet

Application

Low current rectification

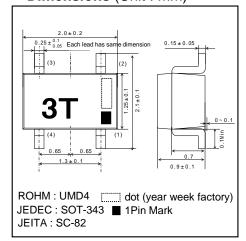
Features

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

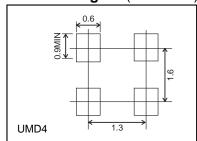
Construction

Silicon epitaxial planar

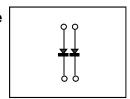
● **Dimensions** (Unit: mm)



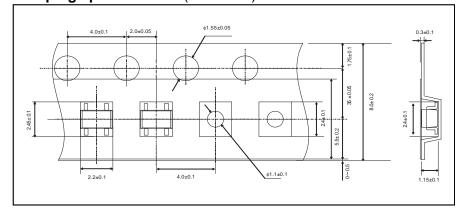
●Land size figure (Unit : mm)



●Structure



● Taping specifications (Unit: mm)



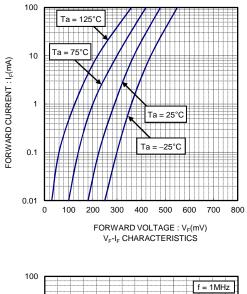
● Absolute maximum ratings (Ta = 25°C)

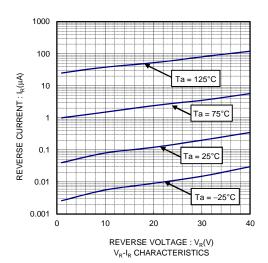
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	45	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	lo	100	mA
Forward current surge peak (60Hz·1cyc) (*1)	I _{FSM}	1	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

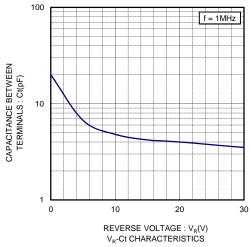
(*1) Rating of per diode

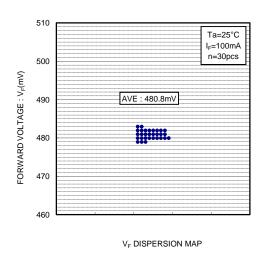
●Electrical characteristics (Ta= 25°C)

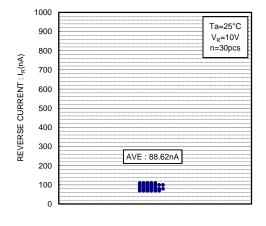
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.45	V	I _F =10mA
	V _F 2	-	-	0.6	V	I _F =100mA
Reverse current	I _R 1	-	-	1	μΑ	V _R =10V
	I _R 2	-	-	5	μΑ	V _R =40V
Capacitance between terminals	Ct1	-	6	-	pF	V _R =10V, f=1MHz
	Ct2	-	-	25	pF	V _R =0V

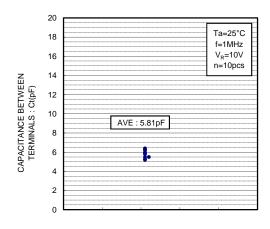






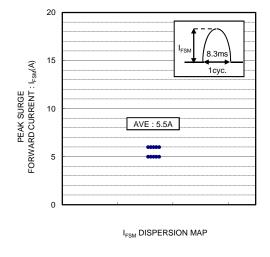


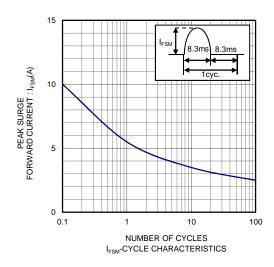


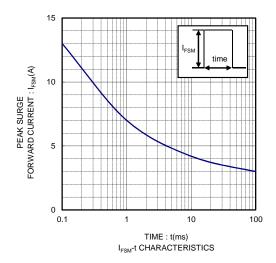


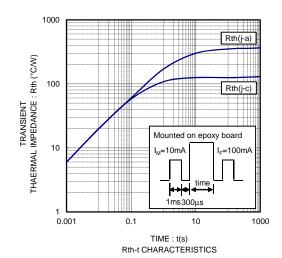
 ${\rm I_R}$ DISPERSION MAP

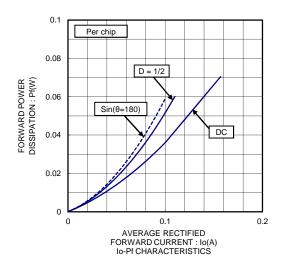
Ct DISPERSION MAP

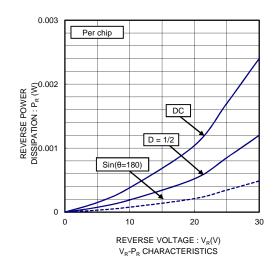


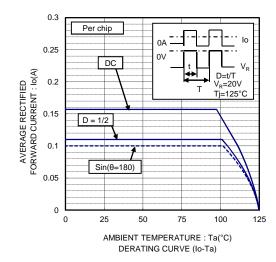


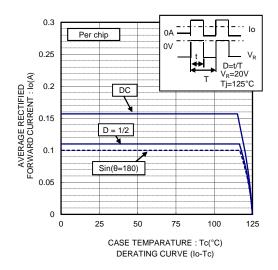












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