# Schottky Barrier Diode

**RB480K / RB480KFH** 

Datasheet

#### Application

Low current rectification

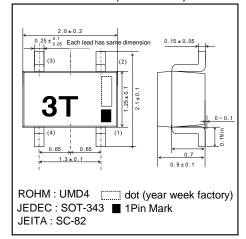
#### Features

- Ultra small mold type.
  (UMD4)
- 2) Low I<sub>R</sub>
- 3) High reliability

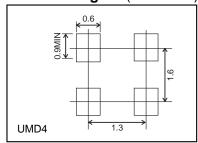
#### Construction

Silicon epitaxial planar

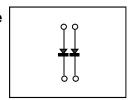
#### ● **Dimensions** (Unit: mm)



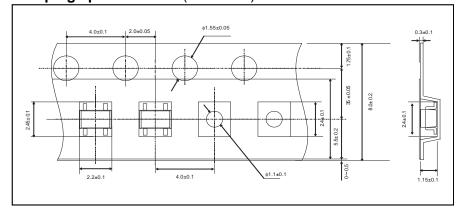
## ●Land size figure (Unit : mm)



●Structure



## ● Taping specifications (Unit: mm)



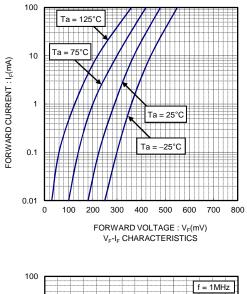
#### ● Absolute maximum ratings (Ta = 25°C)

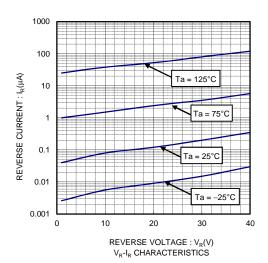
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	45	V
Reverse voltage (DC)	$V_R$	40	V
Average rectified forward current (*1)	lo	100	mA
Forward current surge peak (60Hz·1cyc) (*1)	I <sub>FSM</sub>	1	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

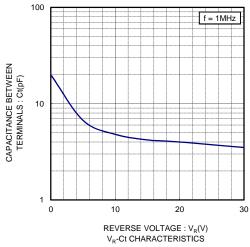
#### (\*1) Rating of per diode

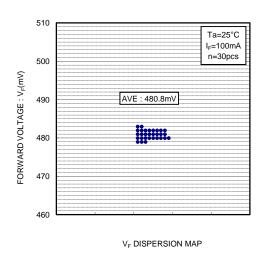
#### ●Electrical characteristics (Ta= 25°C)

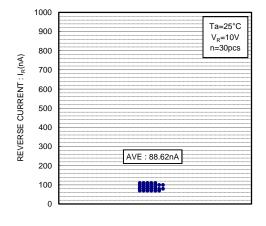
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub> 1	-	-	0.45	V	I <sub>F</sub> =10mA
	V <sub>F</sub> 2	-	-	0.6	V	I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub> 1	-	-	1	μΑ	V <sub>R</sub> =10V
	I <sub>R</sub> 2	-	-	5	μΑ	V <sub>R</sub> =40V
Capacitance between terminals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

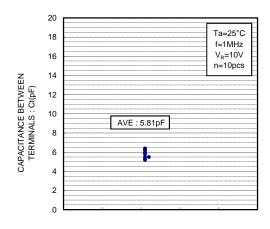






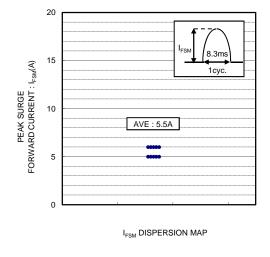


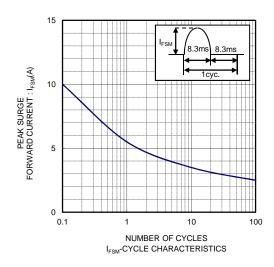


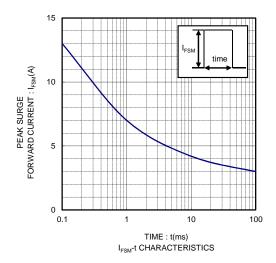


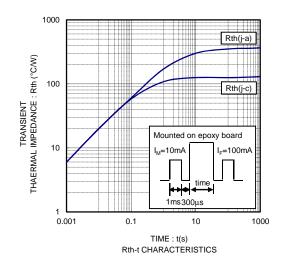
 ${\rm I_R}$  DISPERSION MAP

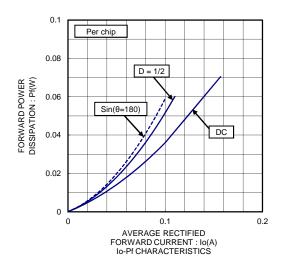
Ct DISPERSION MAP

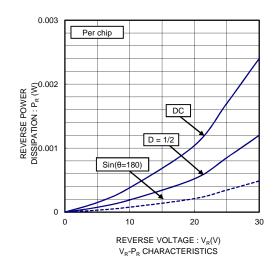


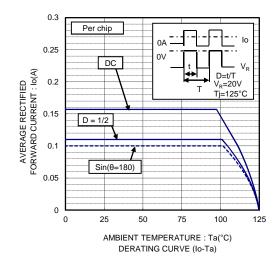


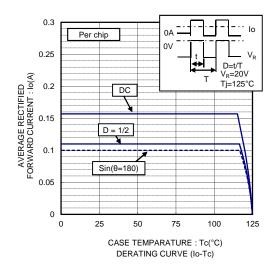












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