

Shottky barrier diode

RB480K

●Applications

Low current rectification

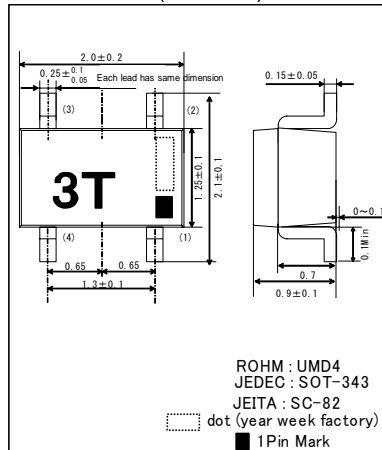
●Features

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

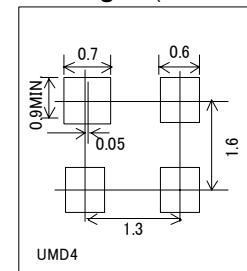
●Construction

Silicon epitaxial planar

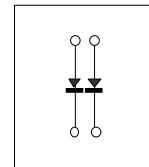
●Dimensions (Unit : mm)



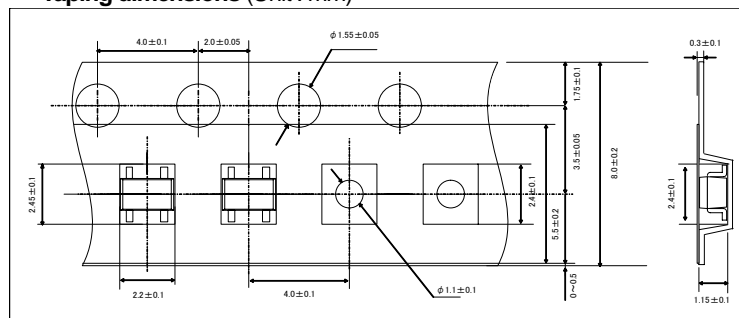
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (T_a=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)	I _o	100	mA
Forward current surge peak (60Hz•1cyc) (*1)	I _{FSM}	1	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

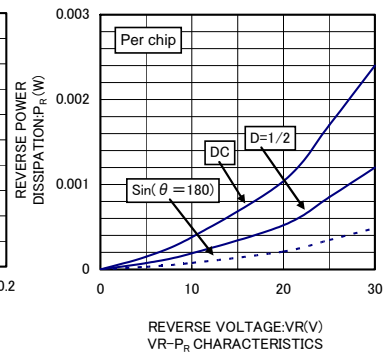
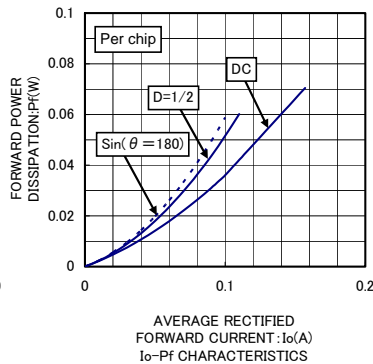
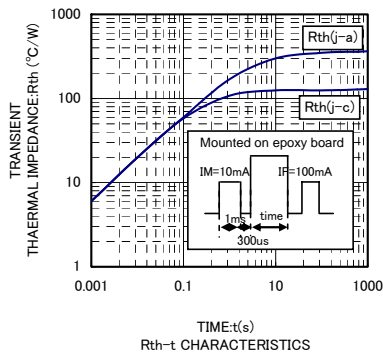
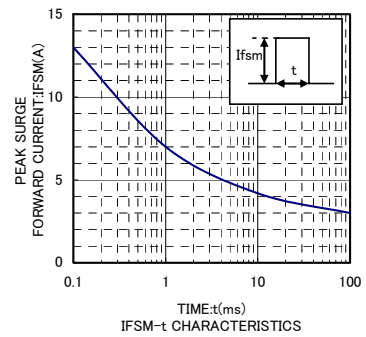
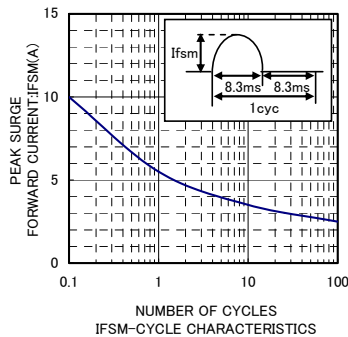
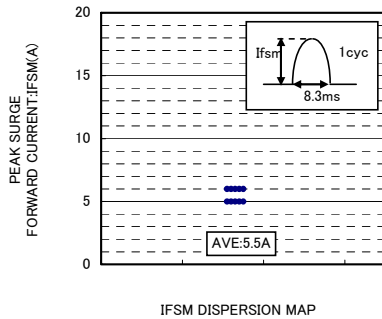
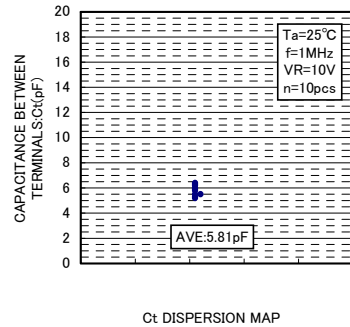
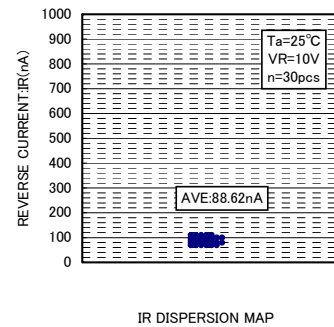
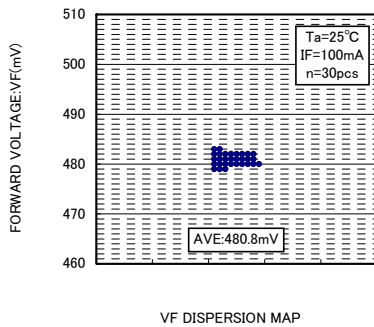
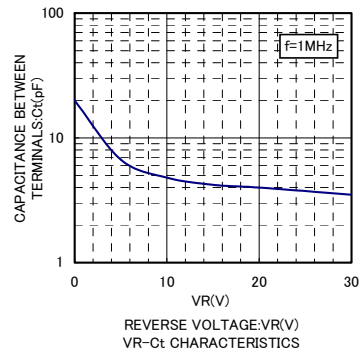
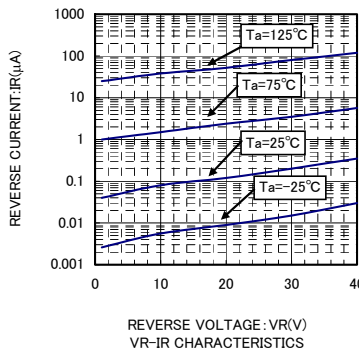
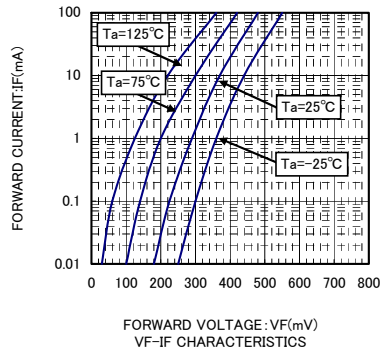
(*1) Rating of per diode

●Electrical characteristics (T_a=25°C)

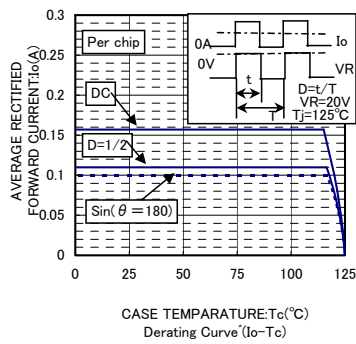
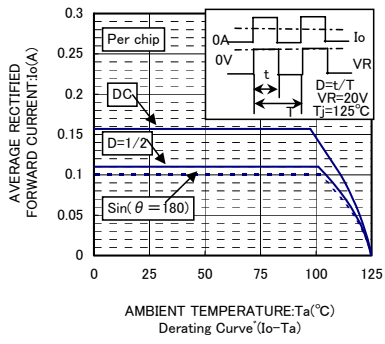
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _{F1}	-	-	0.45	V	I _F =10mA
	V _{F2}	-	-	0.6	V	I _F =100mA
Reverse current	I _{R1}	-	-	1	μA	V _R =10V
	I _{R2}	-	-	5	μA	V _R =40V
Capacitance between terminals	C _{t1}	-	6	-	pF	V _R =10V, f=1MHz
	C _{t2}	-	-	25	pF	V _R =0V

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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