Schottky barrier diodes

Schottky Barrier Diode **RB480K**

Applications

Low current rectification

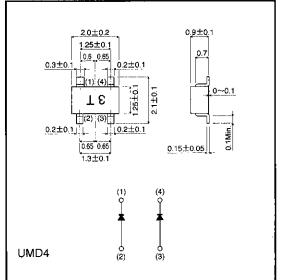
Features

- 1)Compact size
- 2)High reliability
- 3)Low leakage model
- 4) This is a composite component and is ideal for reducing the number of components used.

Construction

Silicon epitaxial planar

External dimensions (Units: mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit V	
Peak reverse voltage	Vвм	45		
DC reverse voltage	Va	40	V	
Mean rectifying current	lo	0.1		
Peak forward surge current*	IFSM	1	A	
Junction temperature	Tj	125	c	
Storage temperature Tstg		−40 ~125	Ç	

^{* 60} Hz for 1 \sim

●Electrical characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _{F1}	_	0.38	0.45	٧	I==10mA
	V _{F2}	_	0.51	0.60	V	I==100mA
Reverse current	le1	_	0.08	1	μΑ	V _R =10V
	In2	_	0.30	5	μΑ	V _R =40V
Capacitance between terminals	Cıı	_	6.0	_	pF	V _R =10V, f=1MHz
	Cı2		_	25	pF	V _R =0V

●Electrical characteristic curves (Ta=25°C)

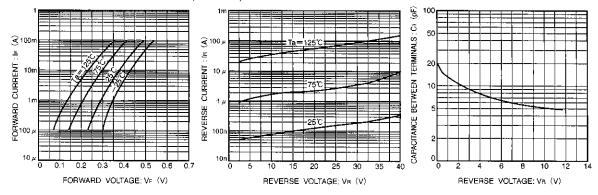


Fig. 1 Forward temperature characteristic

Fig. 2 Reverse temperature characteristic

Fig. 3 Capacitance between terminals characteristic

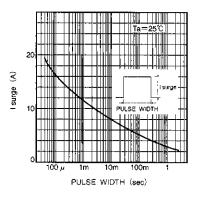


Fig. 4 Surge current characteristic

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