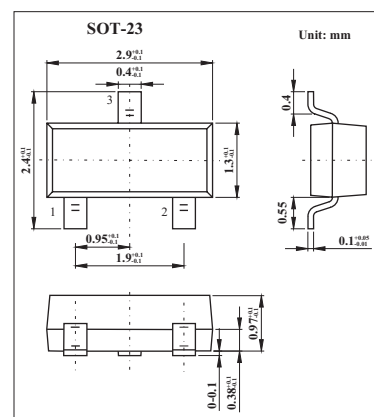


Schottky barrier diode

RB420D

■ Features

- Small frequency rectification type.(SMD3)
- Low I_R ($I_R = 50$ nA Typ)
- High reliability.

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	40	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	0.1	A
Peak forward surge current *	I_{FSM}	1	A
Junction temperature	T_J	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to + 125	$^\circ\text{C}$

* 60 Hz for 1 ∞

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 10$ mA			0.45	V
Reverse current	I_R	$V_R = 10$ V			1	μA
Capacitance between terminals	C_T	$V_R = 10$ V, $f = 1.0$ MHz		6.0		pF

■ Marking

Marking	D3B
---------	-----