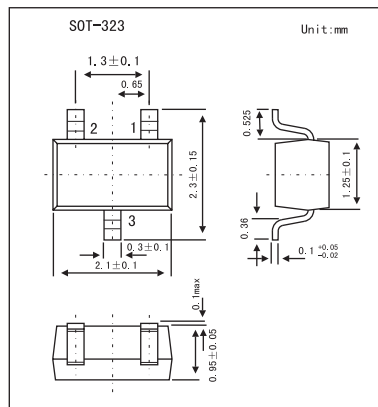


# RB451F

■ Features

- Small surface mounting type. (UMD3)
- Low  $V_F$ . ( $V_F=0.45V$  Typ. at 100mA)
- High reliability.



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

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	$^\circ C$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ C$

\* 60Hz for 1 $\infty$

■ Electrical Characteristics  $T_a = 25^\circ C$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 100\text{ mA}$			0.55	V
		$I_F = 10\text{ mA}$			0.34	
Reverse current	$I_R$	$V_R=10\text{ V}$			30	$\mu\text{ A}$
Capacitance between terminals	$C_T$	$V_R=10\text{ V}$ , $f=1\text{ MHz}$		6.0		pF

■ Marking

Marking	3C
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