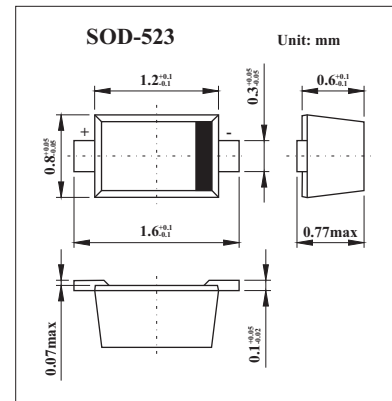


## Schottky Barrier Diode

### RB501S-40

#### ■ Features

- Small surface mounting type.
- Low  $V_F$ .
- High reliability.



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

Parameter	Symbol	Rating	Unit
Peak reverse voltage	$V_{RM}$	45	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	$^\circ\text{C}$

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

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F=100\text{mA}$ $I_F=10\text{mA}$			0.80 0.55	V
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	4
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