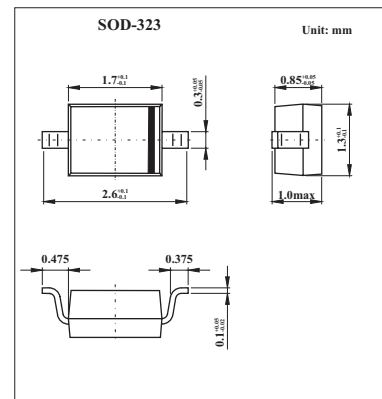


## Schottky barrier diode

## RB501V-40

## ■ Features

- Small surface mounting type.(UMD2)
- Low  $V_F$ . ( $V_F = 0.43V$  Typ.at 100mA)
- High reliability.

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

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

\*60Hz for 1

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

Characteristic	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	$V_{F1}$	$I_F = 100$ mA			0.55	V
Forward Voltage	$V_{F2}$	$I_F = 10$ mA			0.34	V
Reverse current	$I_R$	$V_R = 10$ V			30	$\mu A$
Capacitance between terminals	$C_T$	$V_R = 10$ V, $f = 1$ MHz		6.0		pF

## ■ Marking

Marking	4
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