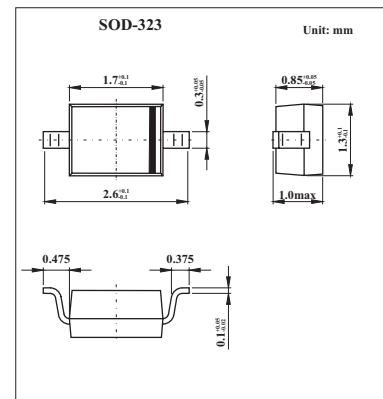


Schottky barrier diode

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	μA
Capacitance between terminals	C_T	$V_R = 10$ V, $f = 1$ MHz		6.0		pF

■ Marking

Marking	4
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