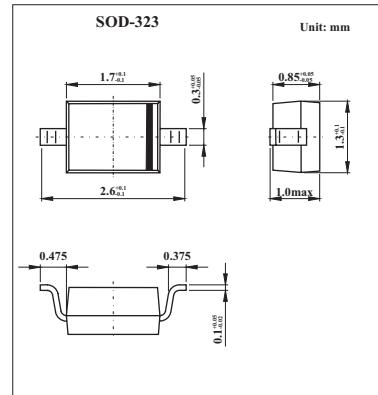


**Schottky barrier diode****RB501V-40****■ Features**

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

**■ Absolute Maximum Ratings Ta = 25°C**

Characteristic	Symbol	Limits	Unit
Peak reverse voltage	V <sub>RM</sub>	45	V
DC reverse Voltage	V <sub>R</sub>	40	V
Mean rectifying current	I <sub>o</sub>	0.1	A
Peak forward surge current*	I <sub>FSM</sub>	1	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-40 to +125	°C

\*60Hz for 1

**■ Electrical Characteristics Ta = 25°C**

Characteristic	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F1</sub>	I <sub>F</sub> = 100 mA			0.55	V
Forward Voltage	V <sub>F2</sub>	I <sub>F</sub> = 10 mA			0.34	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 10 V			30	µA
Capacitance between terminals	C <sub>T</sub>	V <sub>R</sub> = 10 V, f = 1 MHz		6.0		pF

**■ Marking**

Marking	4
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