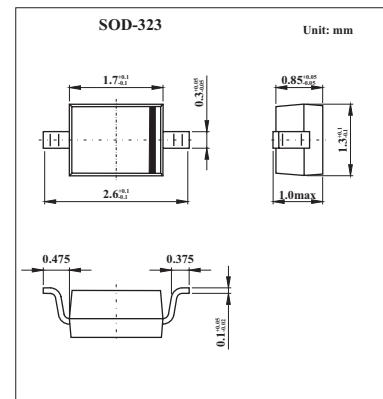


Schottky barrier diode

RB500V-40

■ Features

- Small surface mounting type.(UMD2)
- Low IR.(IR = 70 nA Typ.)
- High reliability.



■ Absolute Maximum Ratings Ta = 25°C

Characteristic	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	45	V
DC reverse Volatge	V _R	40	V
Mean rectifying current	I _o	0.1	A
Peak forwrad surge current*	I _{FSM}	1	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

*60Hz for 1

■ Electrical Characteristics Ta = 25°C

Characteristic	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F = 10 mA			0.45	V
Reverse current	I _R	V _R = 10 V			1	μ A
Capacitance between terminals	C _T	V _R = 10 V, f = 1 MHz		6.0		pF