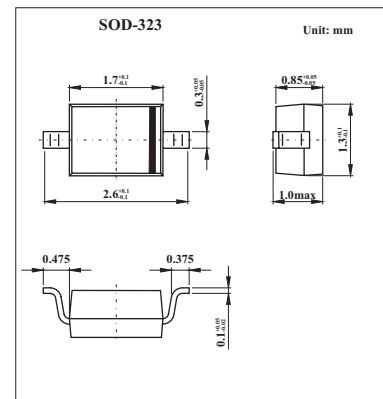


Schottky barrier diode

RB500V-40

■ Features

- Small surface mounting type.(UMD2)
- Low I_R .($I_R = 70 \text{ nA Typ.}$)
- High reliability.

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

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

*60Hz for 1

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

Characteristic	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F = 10 \text{ mA}$			0.45	V
Reverse current	I_R	$V_R = 10 \text{ V}$			1	μA
Capacitance between terminals	C_T	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		6.0		pF