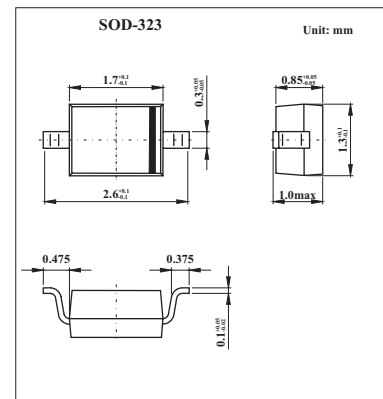


## Schottky barrier diode

## 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	$\mu\text{A}$
Capacitance between terminals	$C_T$	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		6.0		pF