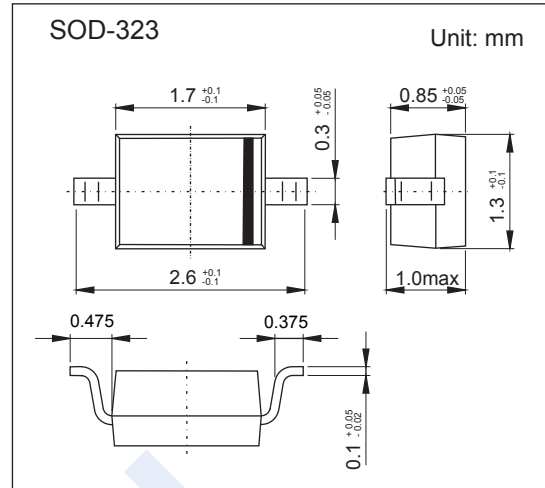


Schottky Barrier Diodes

RB551V-40 (KB551V-40)

■ Features

- Fast Switching Speed
- For General Purpose Switching Applications.
- High Conductance

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

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	V_{RM}	40	V
Average Rectified Output Current	I_o	500	mA
Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FM}	2	A
Power Dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	$^\circ\text{C}/\text{W}$
Junction Temperature	T_J	125	$^\circ\text{C}$
Storage Temperature range	T_{stg}	-55 to +150	

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 0.1\text{mA}$	40			V
Forward voltage	V_F	$I_F = 500\text{mA}$			0.47	
Reverse voltage leakage current	I_R	$V_R = 40\text{V}$			0.1	mA

■ Marking

Marking	SL

Schottky Barrier Diodes

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■ Typical Characteristics

