



# THE DATASHEET OF RB751V-40



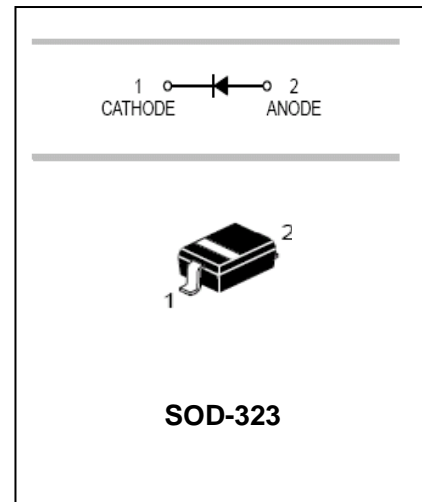
## Schottky Barrier Diode

### FEATURES

- High reliability
- Low voltage; Low inductance
- Low  $V_F$

### APPLICATIONS

- Low current rectification.



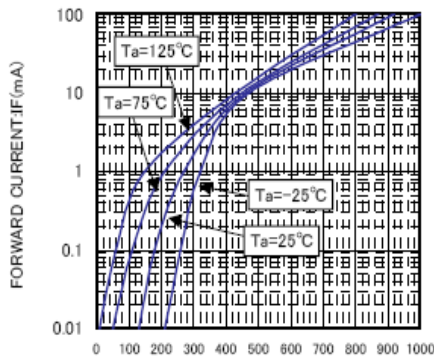
### MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	30	mA
Peak forward surge current	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

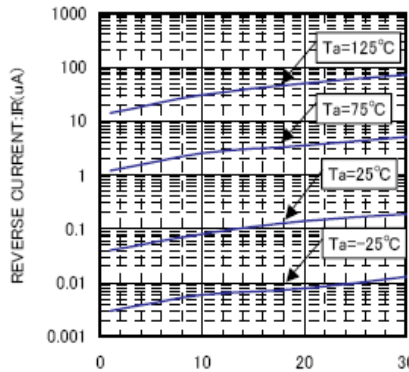
### ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$			0.37	V	$I_F=1\text{mA}$
Reverse current	$I_R$			0.5	$\mu\text{A}$	$V_R=30\text{V}$
Capacitance between terminals	$C_T$		2		pF	$V_R=1\text{V}, f=1\text{MHz}$

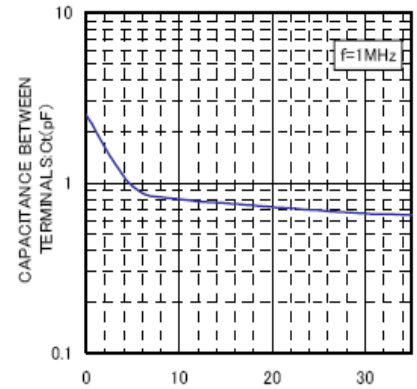
## TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



FORWARD VOLTAGE: VF(mV)  
VF-IF CHARACTERISTICS



REVERSE VOLTAGE: VR(V)  
VR-IR CHARACTERISTICS

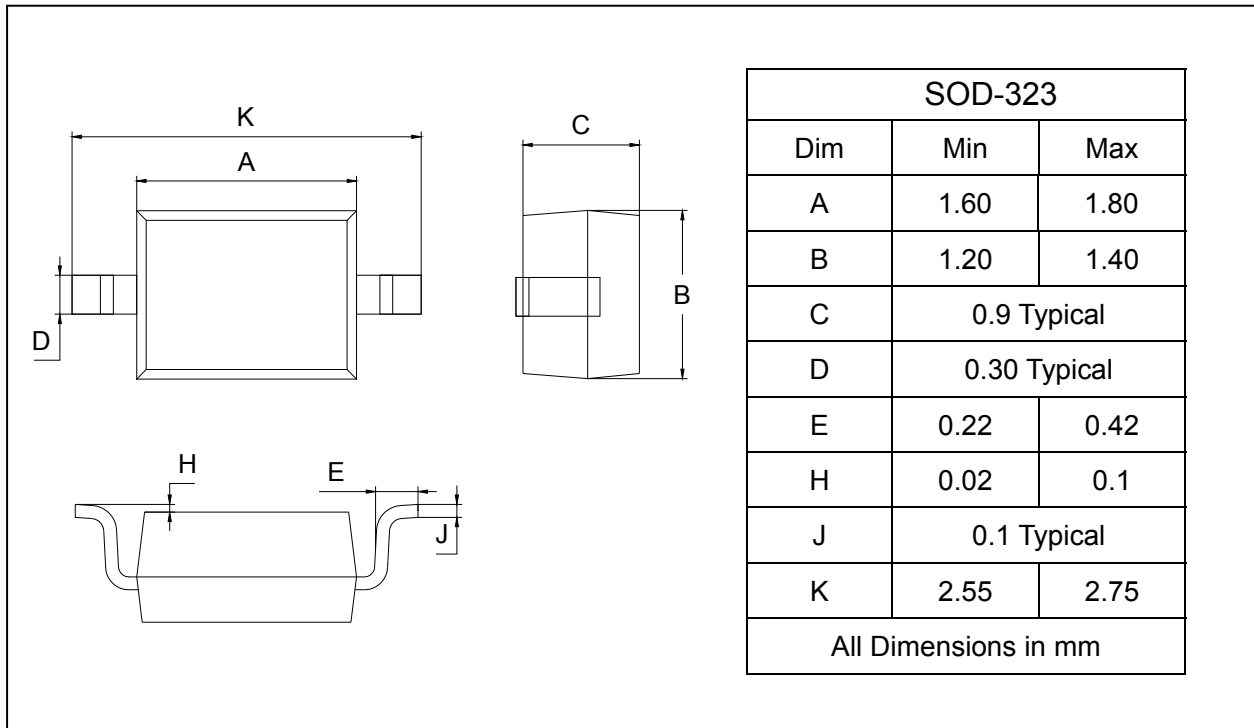


REVERSE VOLTAGE VR(V)  
VR-Ct CHARACTERISTICS

## PACKAGE OUTLINE

Plastic surface mounted package

SOD-323



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