



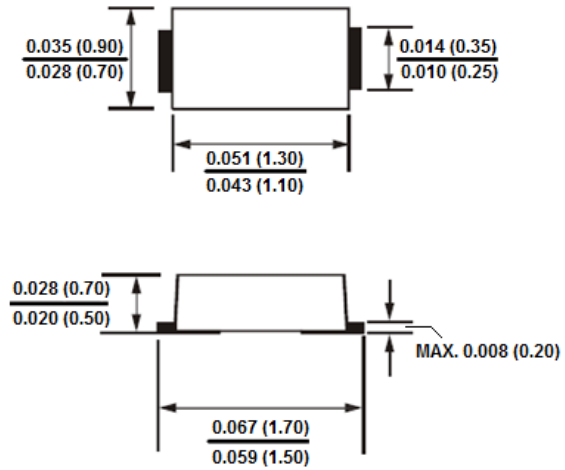
# RB751S-40

## SCHOTTKY DIODES

### FEATURES

- Low Forward Voltage Drop
- Flat Lead SOD-523 Small Outline Plastic Package
- Extremely Small SOD-523 Package
- Surface Device Type Mounting
- Suffix "H" indicates Halogen-free parts, ex. RB751S-40H

SOD-523



Dimensions in millimeters and (inch)

### Maximum Ratings@ $T_A = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Value	Unit
Power Dissipation	$P_D$	200	mW
Peak Reverse Voltage	$V_{RM}$	40	V
Reverse Voltage	$V_R$	30	V
Forward Current	$I_F$	30	mA
Non-Repetitive Peak Forward Current (at 8.3ms single half sine-wave)	$I_{FSM}$	200	mA
Operating Junction Temperature	$T_J$	+125	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-55 to +125	$^\circ\text{C}$

### Electrical Characteristics@ $T_A = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit	Conditions
Breakdown Voltage	$B_V$	30	--	V	$I_R = 10\mu\text{A}$
Reverse Leakage Current	$I_R$	--	0.5	$\mu\text{A}$	$V_R = 30\text{V}$
Forward Voltage	$V_F$	--	0.37	V	$I_F = 1\text{mA}$



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### Typical Characteristics

