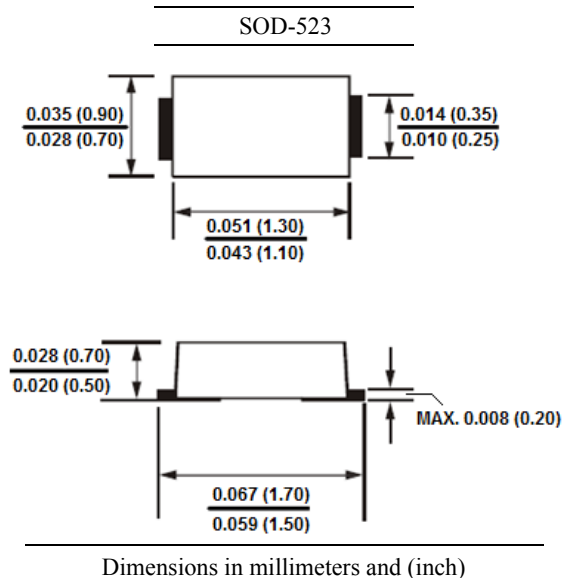


# RB520S-40

## 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. RB520S-40H



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

Parameter	Symbol	Value	Unit
Power Dissipation	$P_D$	200	mW
Reverse Voltage	$V_R$	40	V
Average Forward Current	$I_{F(AV)}$	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	$B_V$	40	--	V	$I_R=10\mu\text{A}$
Reverse Current	$I_R$	--	1	$\mu\text{A}$	$V_R=10\text{V}$
Forward Voltage	$V_F$	--	0.6	V	$I_F=200\text{mA}$

# RB520S-40

## SCHOTTKY DIODES



### Typical Characteristics

