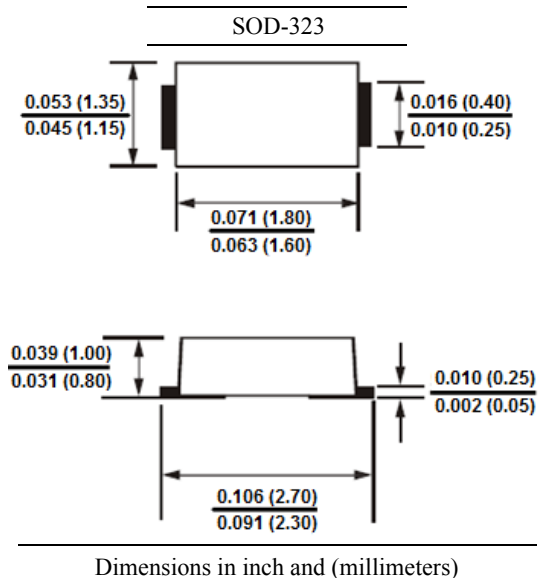


# RB500V-40

## SCHOTTKY DIODES

### FEATURES

- Low Forward Voltage Drop
- Flat Lead SOD-323 Small Outline Plastic Package
- Surface Device Type Mounting
- Suffix "H" indicates Halogen-free parts, ex. RB500V-40H



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

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	45	V
Reverser Voltage (DC)	$V_R$	40	V
Average Forward Current	$I_{F(AV)}$	100	mA
Peak Forward Surge Current (60Hz/1cycle)	$I_{FSM}$	1	A
Operating Junction Temperature	$T_J$	+125	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-40 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit	Conditions
Reverse Leakage Current	$I_R$	--	1.0	$\mu\text{A}$	$V_R = 10\text{V}$
Forward Voltage	$V_F$	--	0.45	V	$I_F = 10\text{mA}$
Capacitance	$C_t$	Typ. 6.0		pF	$V_R = 10\text{V}$ , $f = 1.0\text{MHz}$

# RB500V-40

## SCHOTTKY DIODES

### Typical Characteristics

