

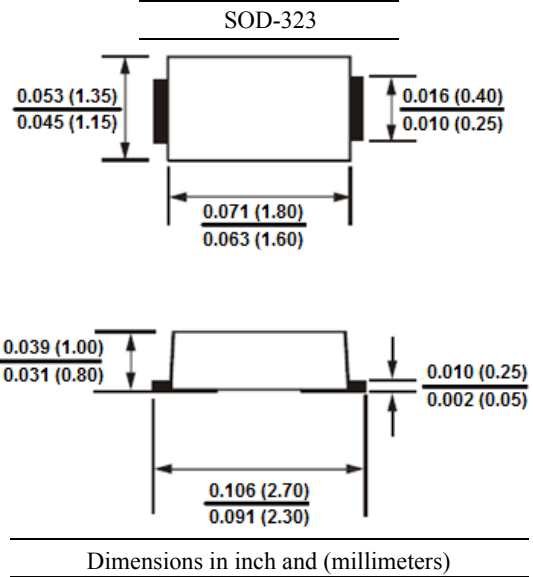


RB500V-40

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	μA	$V_R = 10\text{V}$
Forward Voltage	V_F	--	0.45	V	$I_F = 10\text{mA}$
Capacitance	C_t	Typ. 6.0		pF	$V_R = 10\text{V}$, $f = 1.0\text{MHz}$



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Typical Characteristics

