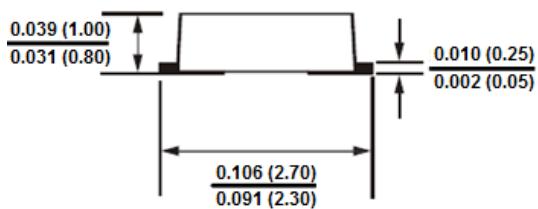
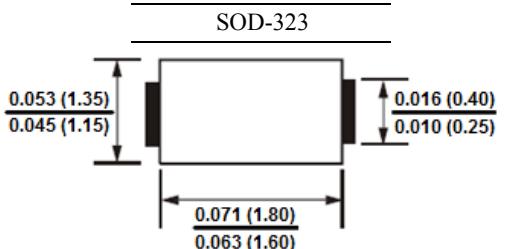


### FEATURES

- Low Forward Voltage Drop
- Flat Lead SOD-323 Small Outline Plastic Package
- Surface Device Type Mounting
- Suffix "H" indicates Halogen-free parts, ex. RB551V-30H



Dimensions in inch and (millimeters)

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

Parameter	Symbol	Value	Unit
Power Dissipation	P <sub>D</sub>	200	mW
Repetitive Peak Reverse Voltage	V <sub>RM</sub>	30	V
Maximum DC Blocking Voltage	V <sub>R</sub>	20	V
Average Forward Current	I <sub>F(AV)</sub>	500	mA
Peak Forward Surge Current (8.3mS Single Half-wave)	I <sub>FSM</sub>	5	A
Operating Junction Temperature	T <sub>J</sub>	+125	°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +125	°C

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

Parameter	Symbol	Min.	Max.	Unit	Conditions
Breakdown Voltage	B <sub>V</sub>	30	--	V	I <sub>R</sub> =500μA
Reverse Leakage Current	I <sub>R</sub>	--	100	μA	V <sub>R</sub> =20V
Forward Voltage	V <sub>F</sub>	--	0.36	V	I <sub>F</sub> =100mA
			0.47		I <sub>F</sub> =500mA

**Typical Characteristics**

