



RB551V-30

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

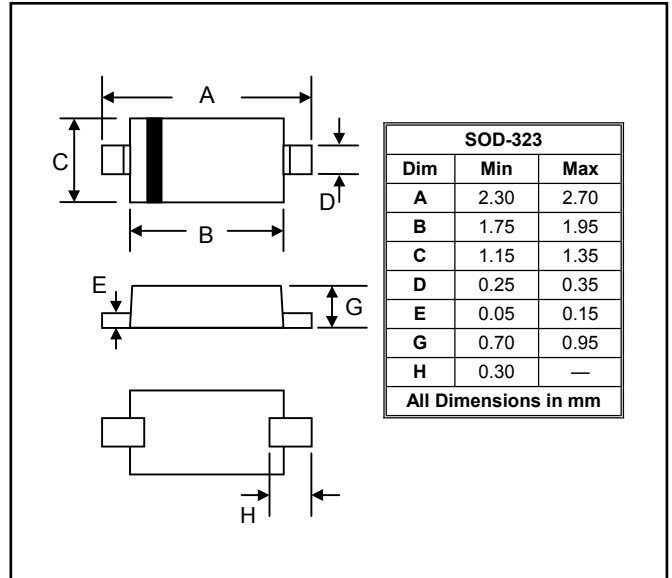
Reverse Voltage - 30 Volts Forward Current - 200 mAmpere

FEATURES

- Low Turn-on Voltage
- Fast Switching
- Ultra-small surface mount package.
- PN Junction Guard Ring for Transient and ESD Protection

MECHANICAL DATA

- Case: SOD-323, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.004 grams (approx.)



Maximum Ratings @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	30	V
Reverse Voltage	V_R	20	V
Mean Rectifying Current	I_O	0.2	A
Peak Forward Surge Current (60 Hz for 1 Cyc.)	I_{FSM}	5	A
Junction Temperature	T_j	125	$^{\circ}\text{C}$
Storage Temperature Range	T_s	- 55 to + 150	$^{\circ}\text{C}$

Electrical Characteristics @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$ at $I_F = 500\text{ mA}$	V_F	-	0.36	V
	V_F	-	0.47	V
Reverse Current at $V_R = 20\text{ V}$	I_R	-	30	μA
Capacitance Between Terminals at $V_R = 10\text{ V}$, $f = 1\text{ MHz}$	C_T	20	-	pF



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RATINGS AND CHARACTERISTIC CURVES

