

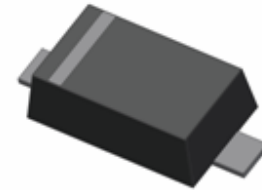


Green Product

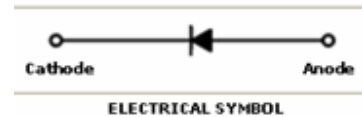
Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	200	mW
T _{STG}	Storage Temperature Range	-65 to +125	°C
T _J	Operating Junction Temperature	+125	°C
V _{RM}	Repetitive Peak Reverse Voltage	30	V
V _R	Maximum DC Blocking Voltage	20	V
I _{F(AV)}	Average Forward Rectified Current	500	mA
I _{FSM}	Peak Forward Surge Current (8.3mS Single Half-wave)	5	A

These ratings are limiting values above which the serviceability of the diode may be impaired.



SOD-323 Flat Lead



Specification Features:

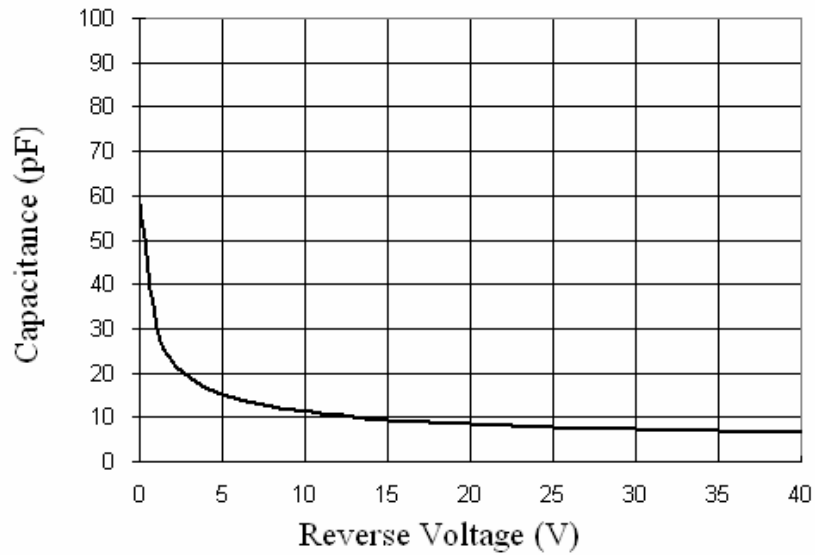
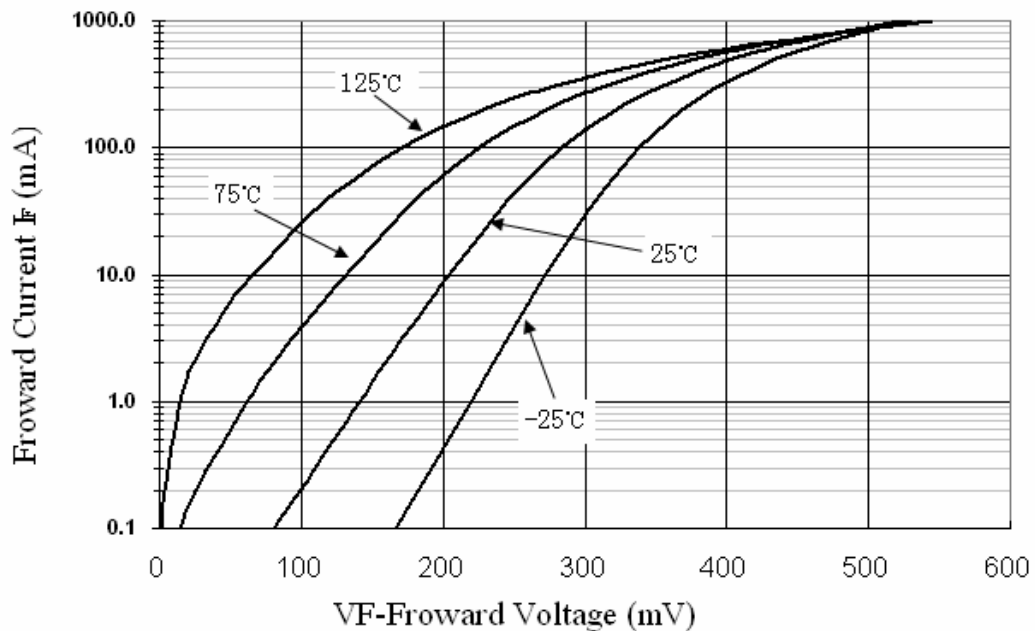
- Low Forward Voltage Drop
- Flat Lead SOD-323 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

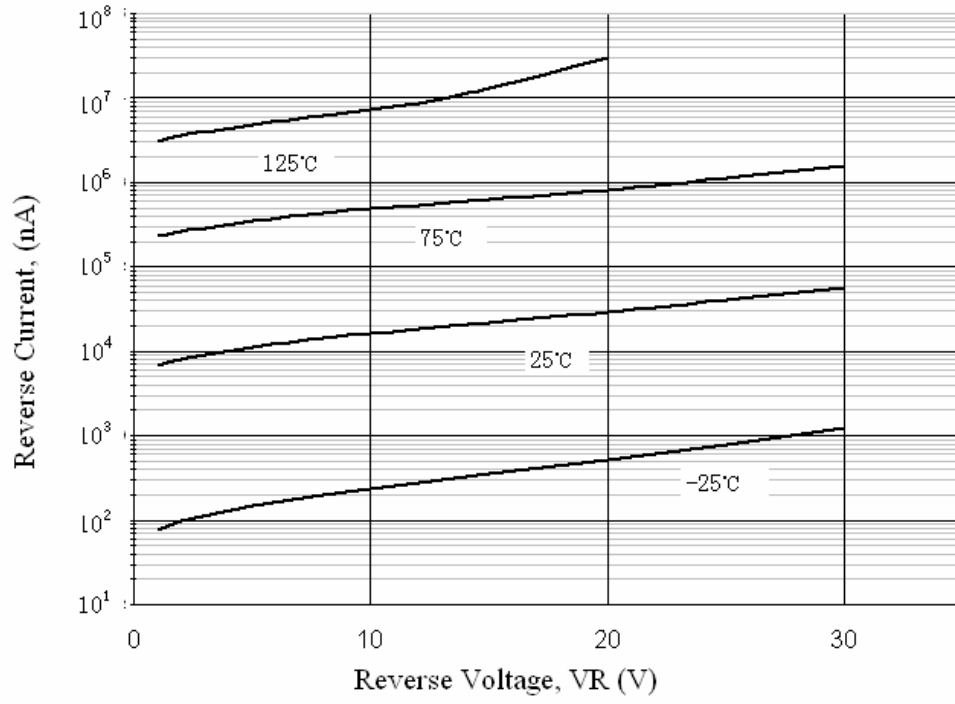
DEVICE MARKING CODE:

Device Type	Device Marking
RB551V-30	B3

Electrical Characteristics T_A = 25°C unless otherwise noted

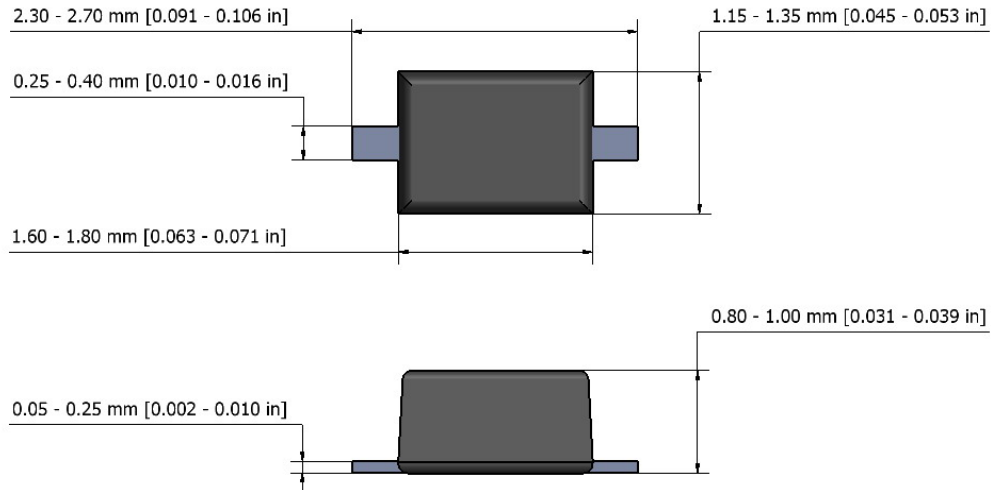
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B _V	Breakdown Voltage	I _R =500μA	30		Volts
I _R	Reverse Leakage Current	V _R =20V		100	μA
V _F	Forward Voltage	I _F =100mA		0.360	Volts
		I _F =500mA		0.470	

Typical Performance Characteristics
Total Capacitance

Forward Voltage vs Ambient Temperature


Reverse Current vs Reverse Voltage




SOD-323 Package Outline



NOTE: The above package outline is similar to JEITA SC-90.