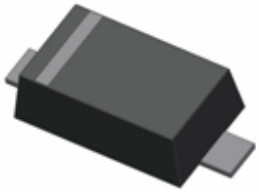
Green Product

200mW SOD-523 SURFACE MOUNT
Very Small Outline Flat Lead Plastic Package
Schottky Barrier Diode



SOD-523 Flat Lead

ELECTRICAL SYMBOL

Absolute Maximum Ratings
T_A = 25°C unless otherwise noted

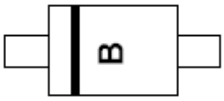
Symbol	Parameter	Value	Units
P_D	Power Dissipation	200	mW
T_{STG}	Storage Temperature Range	-55 to +125	°C
T_J	Operating Junction Temperature	+125	°C
V_R	Reverse Voltage	30	V
$I_{F(AV)}$	Average Forward Current	200	mA
I_{FSM}	Peak Forward Surge Current (At 8.3ms single half sine-wave)	1	A

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

Specification Features:

- § Low Forward Voltage Drop
- § Flat Lead SOD-523 Small Outline Plastic Package
- § Extremely Small SOD-523 Package
- § Surface Device Type Mounting
- § RoHS Compliant
- § Green EMC
- § Matte Tin(Sn) Lead Finish
- § Band Indicates Cathode

DEVICE MARKING CODES:

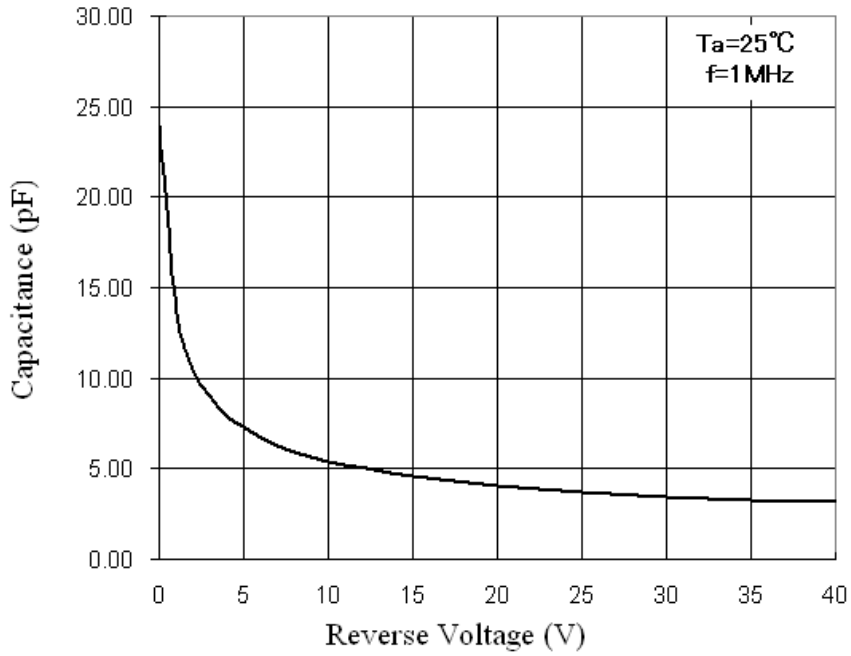


Electrical Characteristics
T_A = 25°C unless otherwise noted

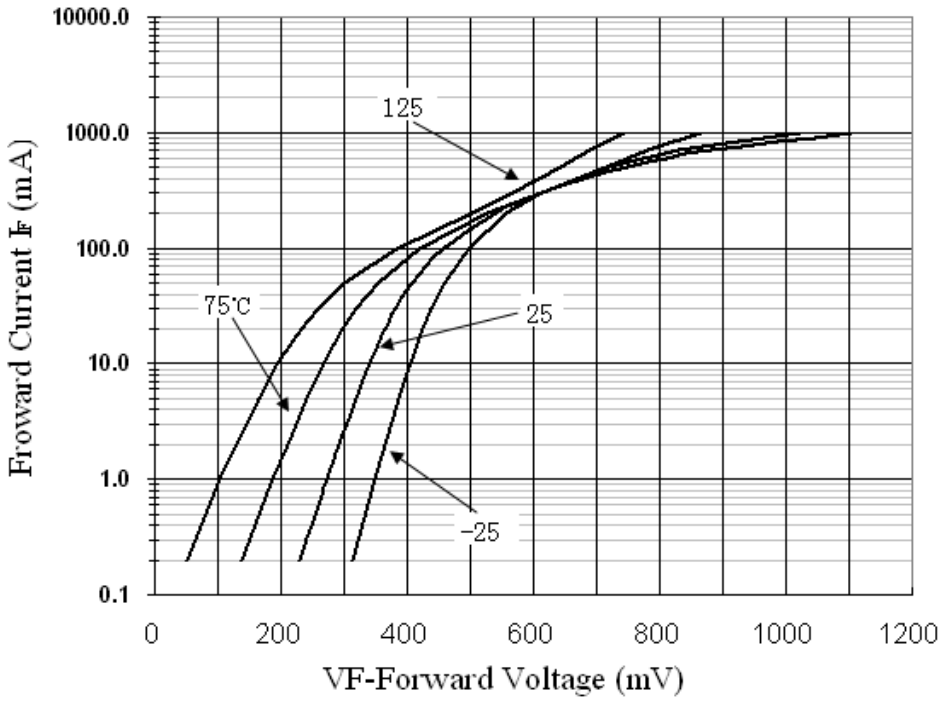
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B_V	Breakdown Voltage	I_R=500μA	30		Volts
I_R	Reverse Leakage Current	V_R=10V		1	μA
V_F	Forward Voltage	I_F=200mA		0.6	Volts

Typical Performance Characteristics

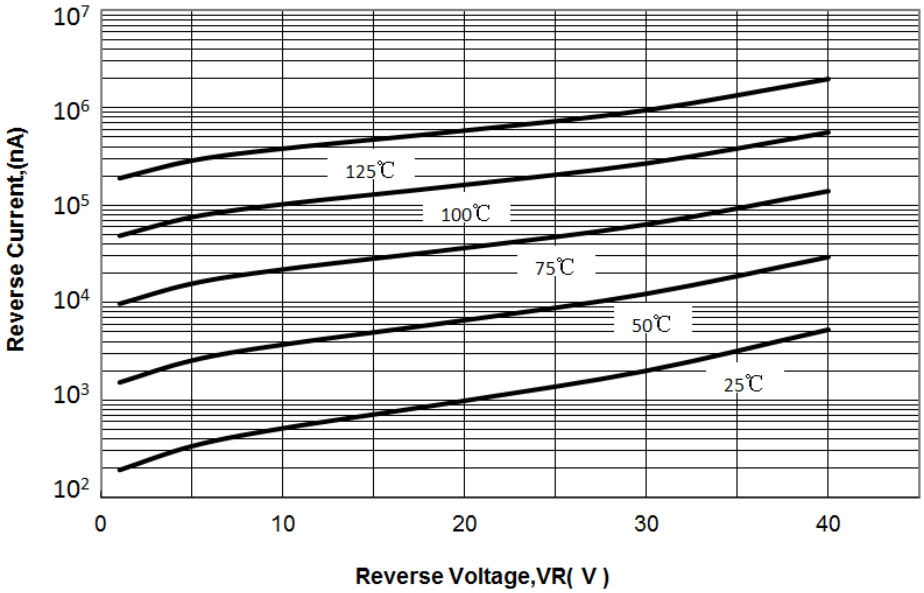
Total Capacitance



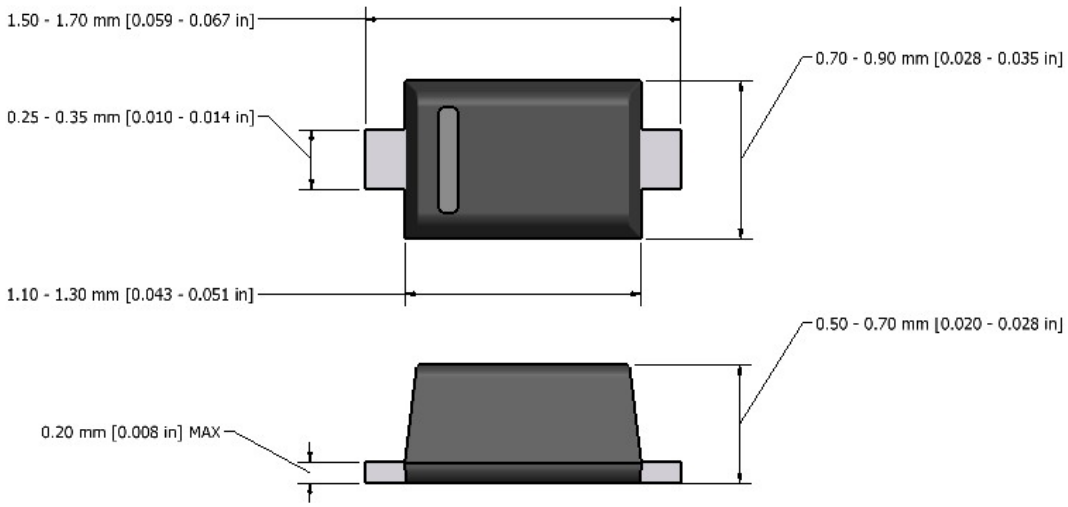
Forward Voltage vs Ambient Temperature



Reverse Current vs Reverse VoltageReverse



Flat Lead SOD-523 Package Outline



Note: Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.