1、FEATURES

OUTLINE ✧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

✧Marking: C

2、PACKAGE



SOD-523

3、MAXIMUM RATING(Tamb=25°C)

Symbol	Parameter	Value	Units
P_D	Power Dissipation	200	mW
T_{STG}	Storage Temperature Range	-55to+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.

4、ELECTRICAL CHARACTERISTICS (Tamb=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Breakdown Voltage at I_R=500uA	Bv	30			Volts
Reverse Leakage Current at V_R=10V	I_R			30	uA
Forward Voltage at I_F=200mA	V_F			0.5	Volts

5、ELECTRICAL CHARACTERISTICS CURVE

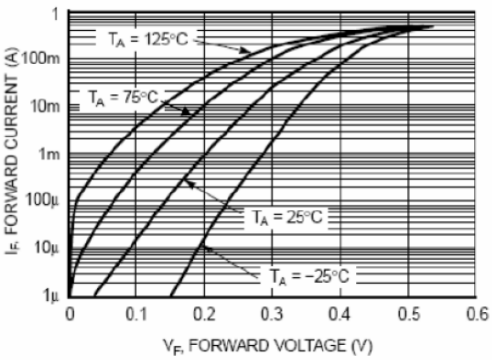


Figure 1. Forward Characteristics

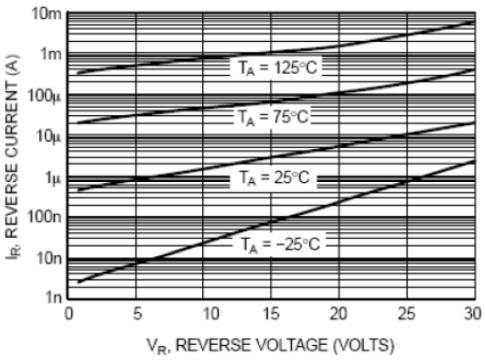


Figure 2. Reverse Characteristics

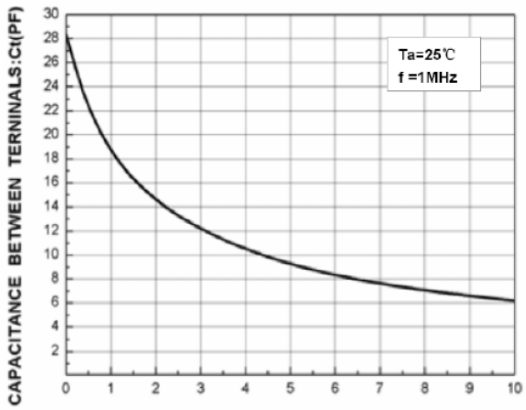
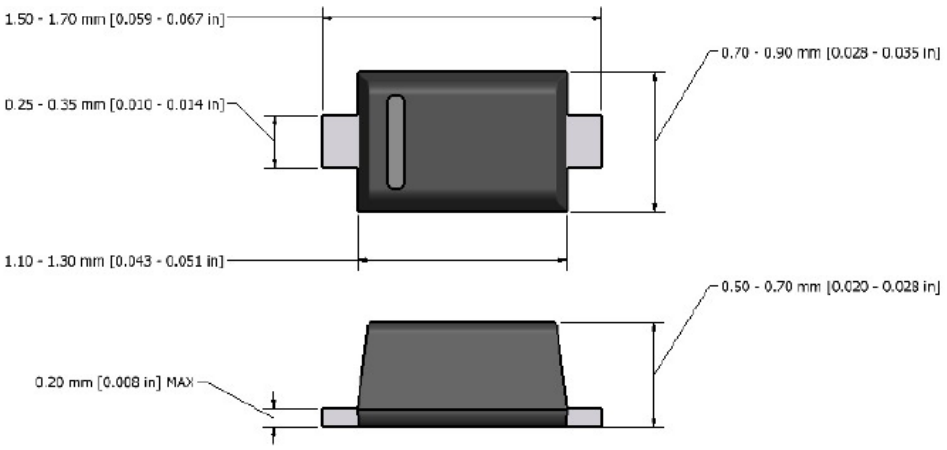


Figure3.Total Capacitance

6、SOD-523 PACKAGE OUTLINE DIMENSIONS



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

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