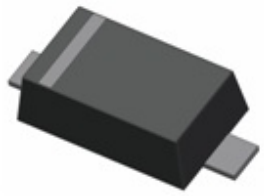
SOD-523 SURFACE MOUNT

Very Small Outline Flat Lead Plastic Package
Low VF Schottky Barrier Diode



SOD-523

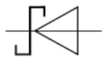
Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
V_{RRM}	Repetitive Peak Reverse Voltage	40	V
T_J	Operating Junction Temperature	+125	°C
T_{STG}	Storage Temperature Range	-55 to +150	°C
$I_{F(AV)}$	Average Forward Rectified Current	1	A
I_{FSM}	Forward Surge Current @2mS	6	A

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

ELECTRICAL SYMBOL



Specification Features:

- Low Forward Voltage
- Low Power Consumption Applications
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Unit Weight: approx. 0.002g

DEVICE MARKING CODE:

Device Type	Device Marking
B5819WT	KX

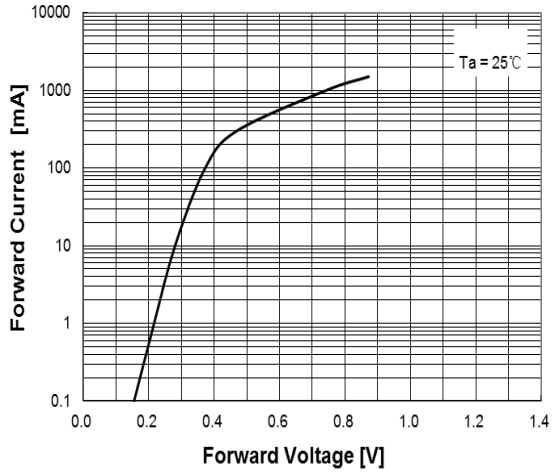
Electrical Characteristics

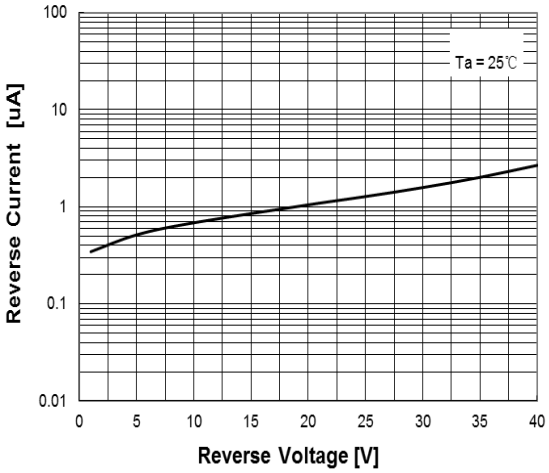
T_A = 25°C unless otherwise noted

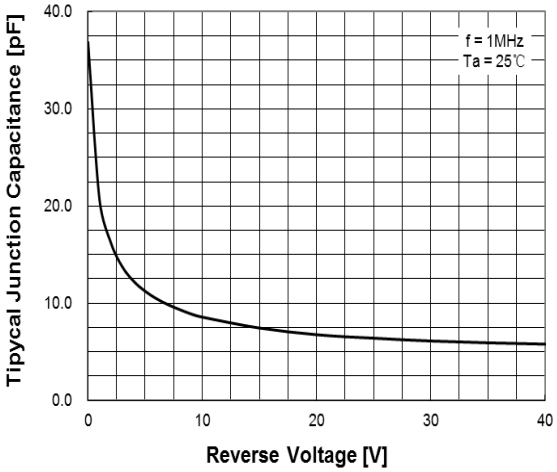
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B_V	Breakdown Voltage	I_R=0.5mA	40		Volts
I_R	Reverse Leakage Current	V_R=40V		100	uA
V_F	Forward Voltage	I_F=0.3A I_F=1A		0.5 0.8	Volts

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RATING AND CHARACTERISTIC CURVES

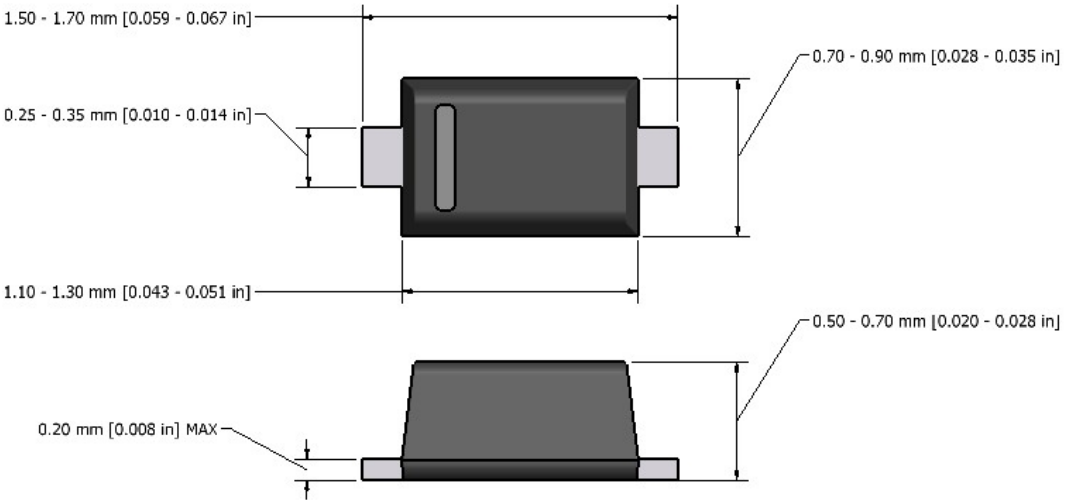






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Flat Lead SOD-523 Package Outline



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