B5819WSL-TP-FS

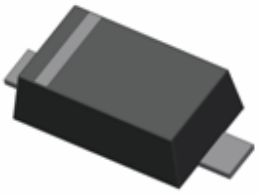
SCHOTTKY BARRIER DIODE

Specification Features:

- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Weight: approx. 0.004g

DEVICE MARKING CODES:

Device Type	Device Marking
B5819WSL-TP-FS	SL



SOD-323FL



Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

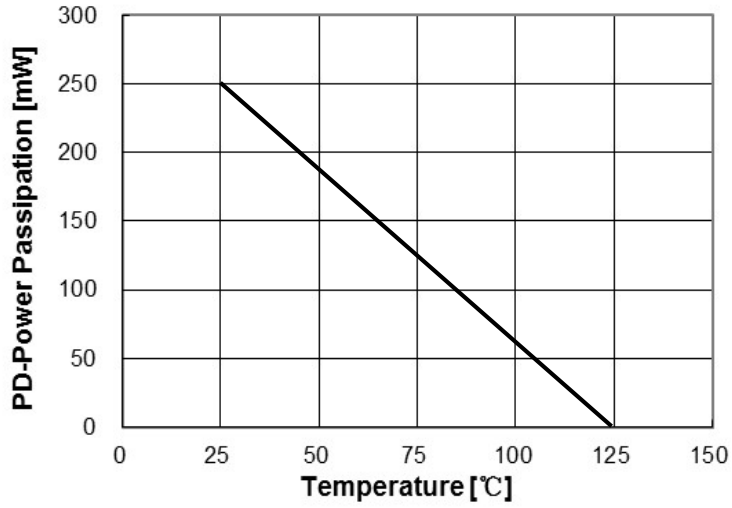
Symbol	Parameter	Value	Units
P_D	Power Dissipation	250	mW
T_{STG}	Storage Temperature Range	-55 to +125	°C
T_J	Junction Temperature	+125	°C
V_{RM}	Repetitive Peak Reverse Voltage	40	V
I_O	Average Rectified Output Current	1	A
I_{FSM}	Peak Forward Surge Current (t=8.3ms Single Half Sine-wave)	9	A
I_{FRM}	Repetitive Peak Forward Current	1.5	A

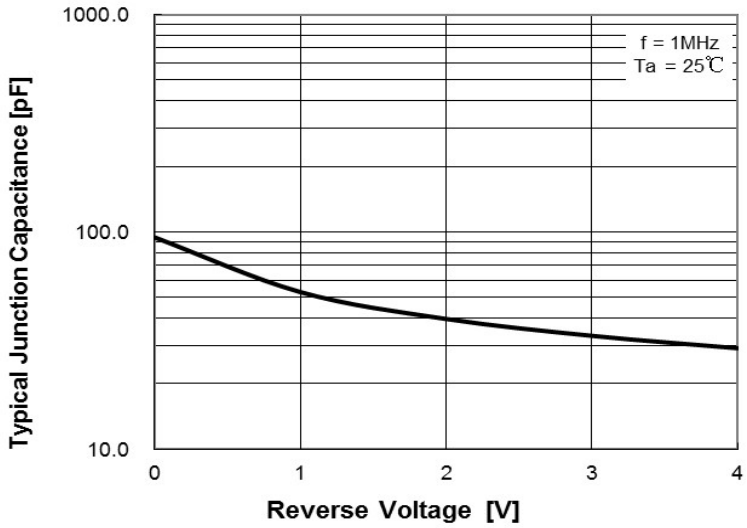
Electrical Characteristics

T_A = 25°C unless otherwise noted

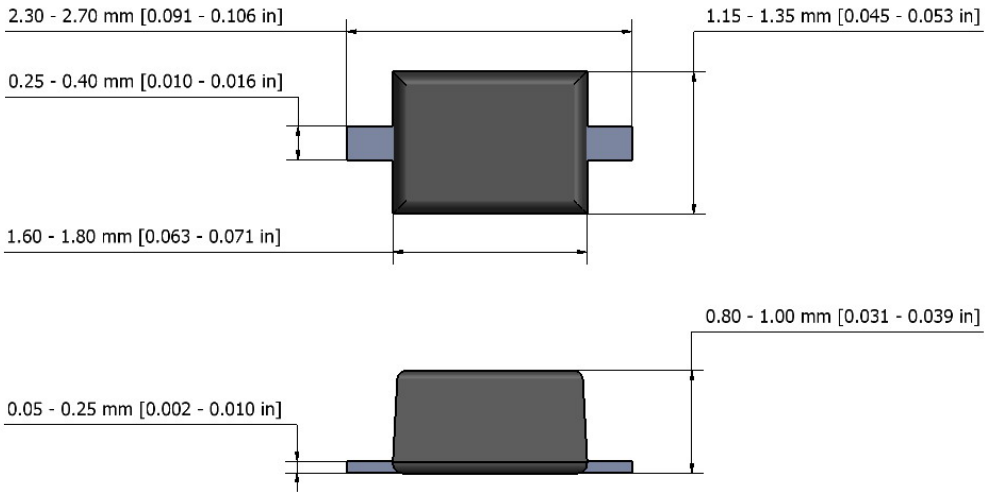
Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typ	Max	
V_{BR}	Reverse Breakdown Voltage	I_R=1mA	40	--	--	Volts
I_R	Reverse Leakage Current	V_R=40V	--	--	1	mA
V_F	Forward Voltage	I_F=1A	--	--	0.60	Volts
Cd	Diode Capacitance	V_R=4V, f= 1MHz	--	30	--	pF

RATING AND CHARACTERISTIC CURVES





SOD-323FL Package Outline



NOTES:
1. The above package outline is similar to JEITA SC-90.
2. Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.