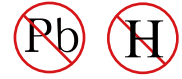




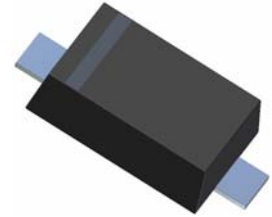
Schottky Barrier Diode



Features

- For use in low voltage, high frequency inverters, free wheeling & polarity protection...
- Flat Lead SOD-123 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Weight: approx. 0.01g
- Marking : SL

SOD-123FL



ELECTRICAL SYMBOL

Ordering Information

Device	Qty per Reel	Reel Size
B5819WFL	3000	7Inch

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	500	mW
T _{STG}	Storage Temperature Range	-55 to +150	°C
T _J	Operating Junction Temperature	+150	°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

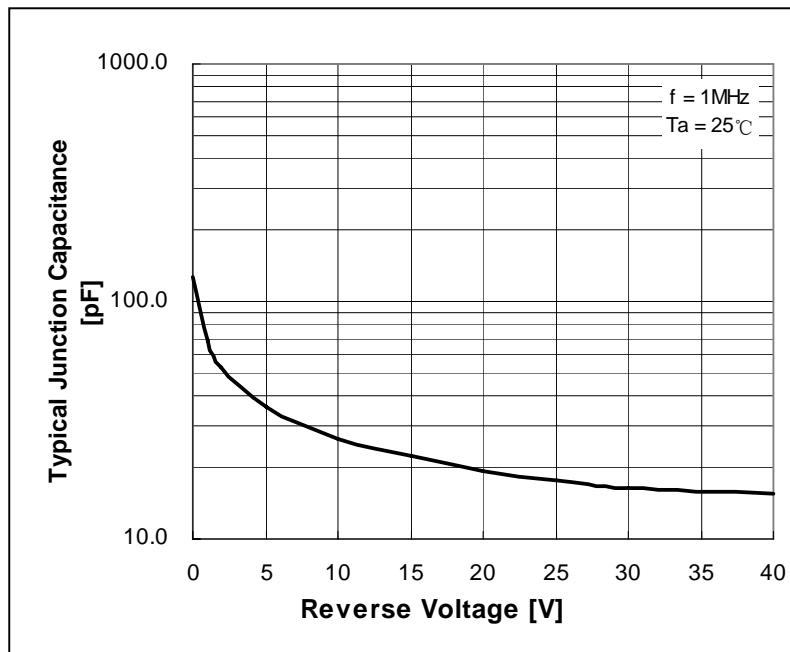
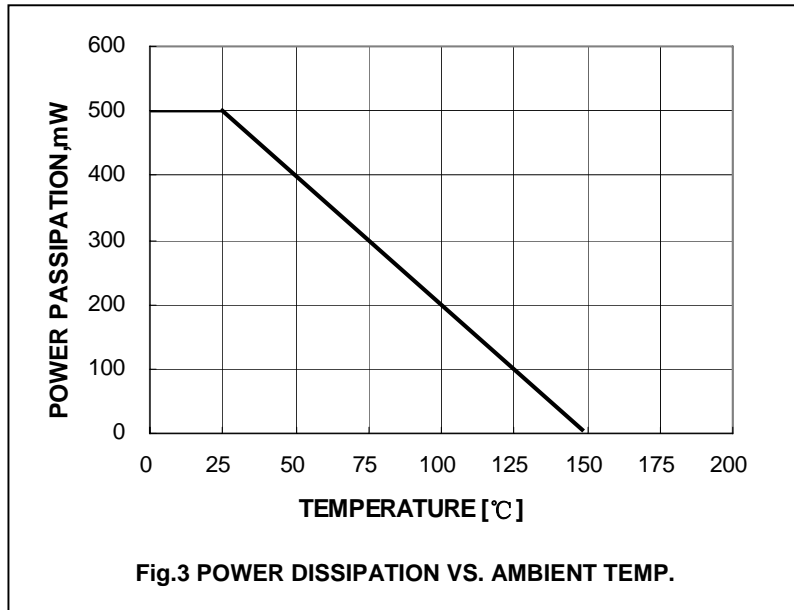
Electrical Characteristics T_A = 25°C unless otherwise noted

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 I _F =3A	--	--	0.60 0.90	Volts
Cd	Diode Capacitance	V _R =4V f= 1MHz	--	--	120	pF

DEVICE CHARACTERISTICS

B5819WFL

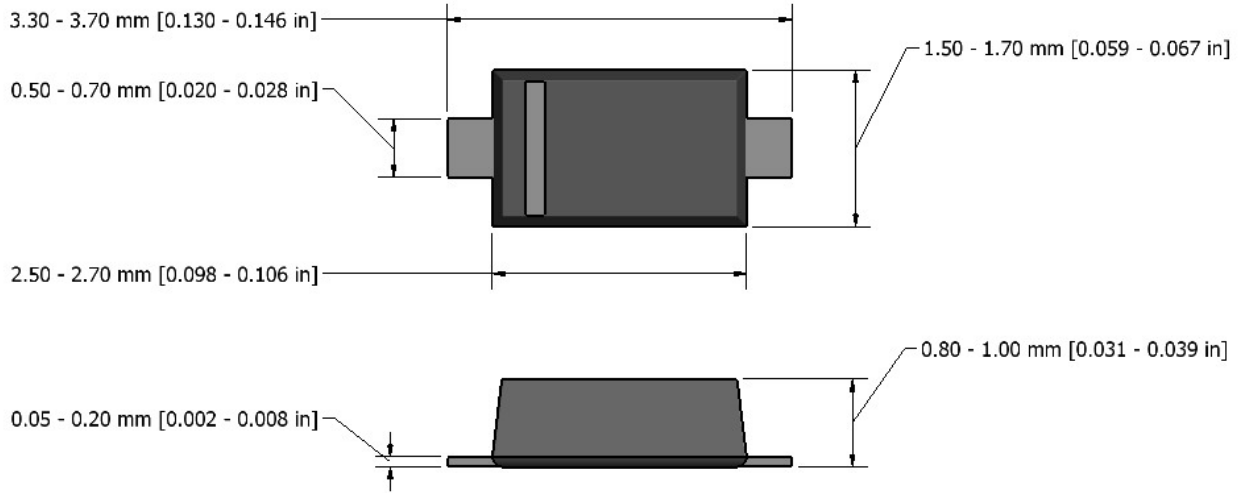
RATING AND CHARACTERISTIC CURVES



PACKAGE OUTLINE & DIMENSIONS

B5819WFL

Flat Lead SOD-123 Package Outline



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

SOLDERING FOOTPRINT

