

# B5819WT

## B5819WT Low VF Schottky Barrier Diode

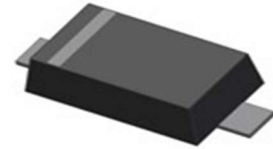
### General description

Low VF Schottky Barrier Diode in a SOD-523 Plastic Package.

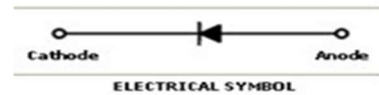
### FEATURES

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

### Green Product



SOD-523 Flat Lead



### Absolute Maximum Ratings T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
T <sub>STG</sub>	Storage Temperature Range	-55 to +150	°C
T <sub>J</sub>	Operating Junction Temperature	+125	°C
V <sub>R</sub>	Reverse Voltage	40	V
I <sub>F(AV)</sub>	Average Forward Current	1	A
I <sub>FSM</sub>	Peak Forward Surge Current @2mS	6	A

### Device Marking Code:

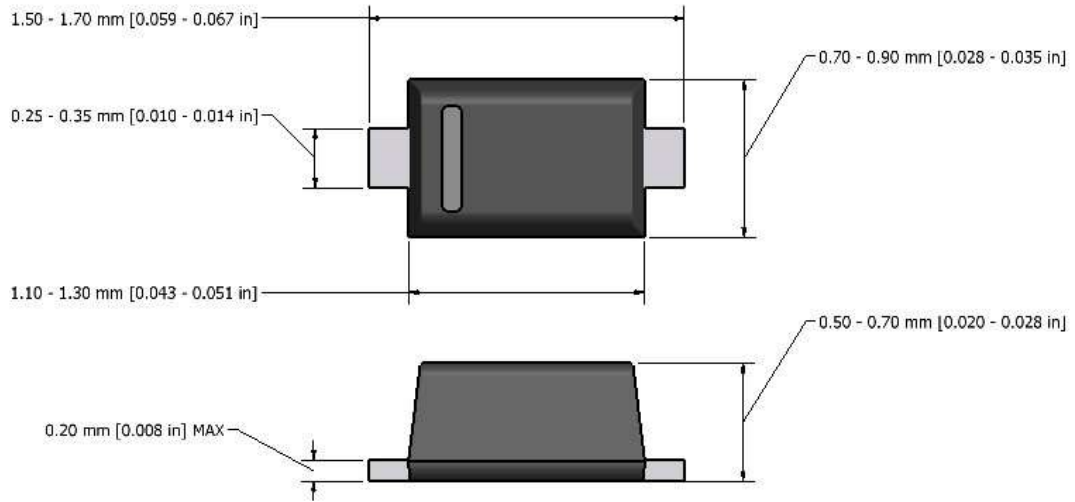
Device Type	Device Marking
B5819WT	KX

### Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B <sub>V</sub>	Breakdown Voltage	I <sub>R</sub> =0.5mA	40		Volts
I <sub>R</sub>	Reverse Leakage Current	V <sub>R</sub> =40V		100	µA
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> =0.3A I <sub>F</sub> =1A		0.5 0.8	Volts

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## Flat Lead SOD-523 Package Outline



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

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