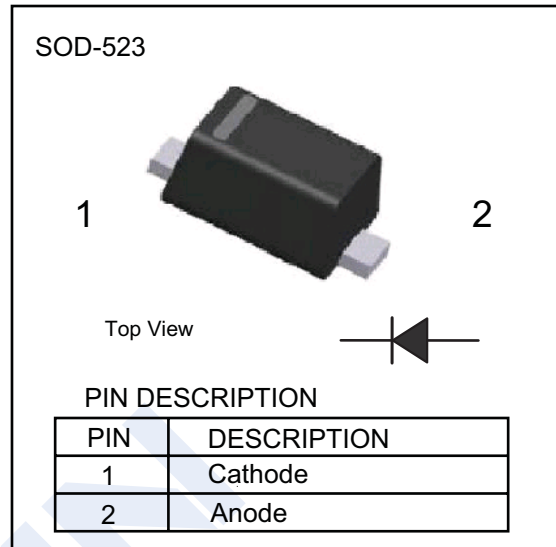


## Schottky Barrier Diode

### 1PS79SB30

#### ■ Features

- Low Forward Voltage Drop
- Flat Lead SOD-523 Small Outline Plastic Package
- Matte Tin(Sn) Lead Finish



#### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$ unless otherwise noted

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	$V_{RM}$	30	V
Average Rectified Output Current	$I_{F(AV)}$	200	mA
Peak Forward Surge Current (At 8.3ms single half sine-wave)	$I_{FSM}$	1	A
Power Dissipation	$P_D$	200	mW
Junction Temperature	$T_J$	125	°C
Storage Temperature range	$T_{stg}$	-55 to +125	

#### ■ Electrical Characteristics $T_a = 25^\circ\text{C}$ unless otherwise noted

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	$B_V$	$I_R = 500\mu\text{A}$	30			V
Forward voltage	$V_F$	$I_F = 200\text{mA}$			0.6	V
Reverse Leakage current	$I_R$	$V_R = 10\text{V}$			1	$\mu\text{A}$

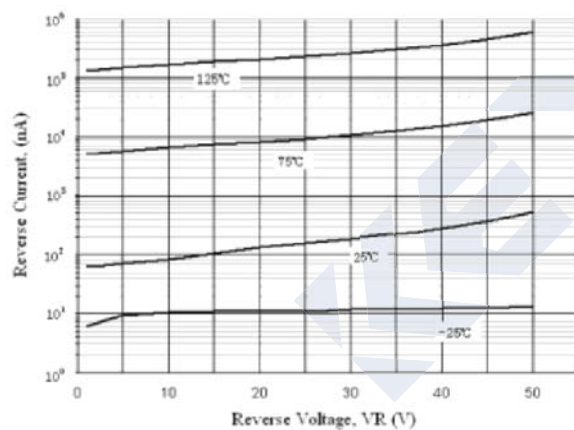
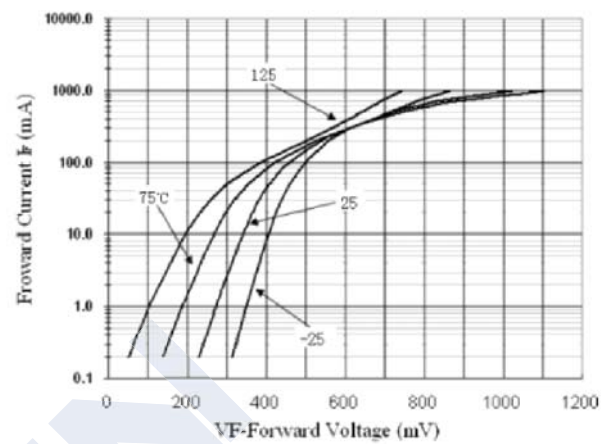
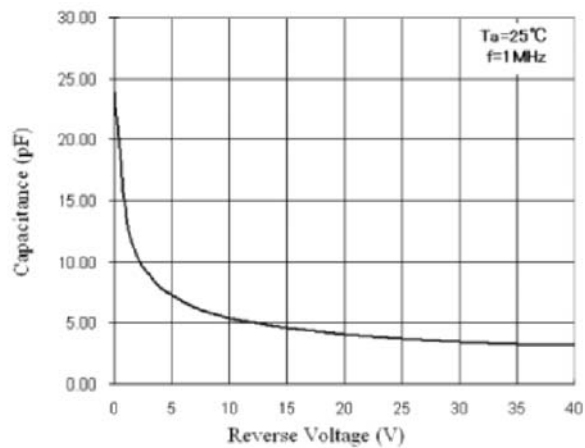
#### ■ Marking

Marking	B
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## Schottky Barrier Diode

## 1PS79SB30

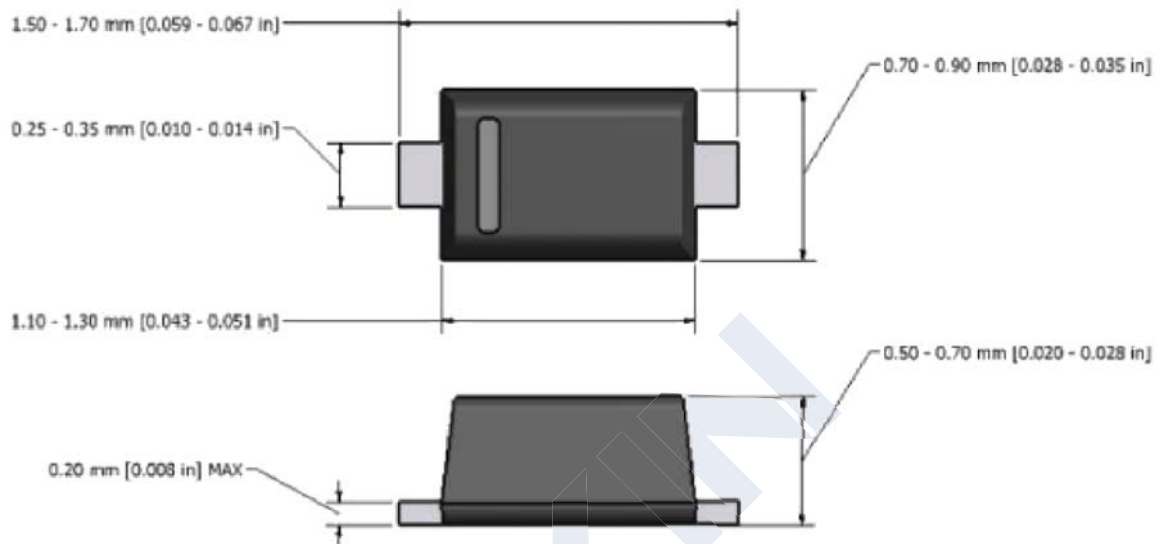
## ■ Typical Characteristics



## Schottky Barrier Diode

### 1PS79SB30

#### ■ Package Outline Dimensions (SOD-523)



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

#### ■ The Recommended Mounting Pad Size

