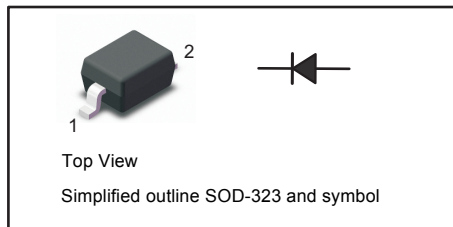


## PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



## Features

- ◆ Fast switching speed
- ◆ Surface mount package ideally suited for automatic insertion

## Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Parameter		Symbol	Value	Unit
Repetitive Peak Reverse Voltage	BAV19WS BAV20WS BAV21WS	$V_{RRM}$	120 200 250	V
Reverse Voltage	BAV19WS BAV20WS BAV21WS	$V_R$	100 150 200	V
Average Rectified Forward Current		$I_{F(AV)}$	200	mA
Forward Continuous Current		$I_{FM}$	400	mA
Repetitive Peak Forward Current		$I_{FRM}$	625	mA
Non-Repetitive Peak Forward Surge Current	at $t = 1\ \mu\text{s}$ at $t = 1\ \text{s}$	$I_{FSM}$	2.5 0.5	A
Power Dissipation		$P_{tot}$	200	mW
Operating and Storage Temperature Range		$T_j, T_{stg}$	- 65 to + 150	$^\circ\text{C}$

## Characteristics at $T_a = 25^\circ\text{C}$

Parameter		Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 100\ \mu\text{A}$	BAV19WS BAV20WS BAV21WS	$V_{(BR)R}$	120 200 250	- - -	V
Reverse Current at $V_R = 100\ \text{V}$ at $V_R = 150\ \text{V}$ at $V_R = 200\ \text{V}$	BAV19WS BAV20WS BAV21WS	$I_R$	- - -	100 100 100	nA
Forward Voltage at $I_F = 100\ \text{mA}$ at $I_F = 200\ \text{mA}$		$V_F$	- -	1 1.25	V
Total Capacitance at $V_R = 0, f = 1\ \text{MHz}$		$C_T$	-	5	pF
Reverse Recovery Time at $I_F = I_R = 30\ \text{mA}, I_{RR} = 0.1 \times I_R, R_L = 100\ \Omega$		$t_{rr}$	-	50	ns

## Typical Characteristics

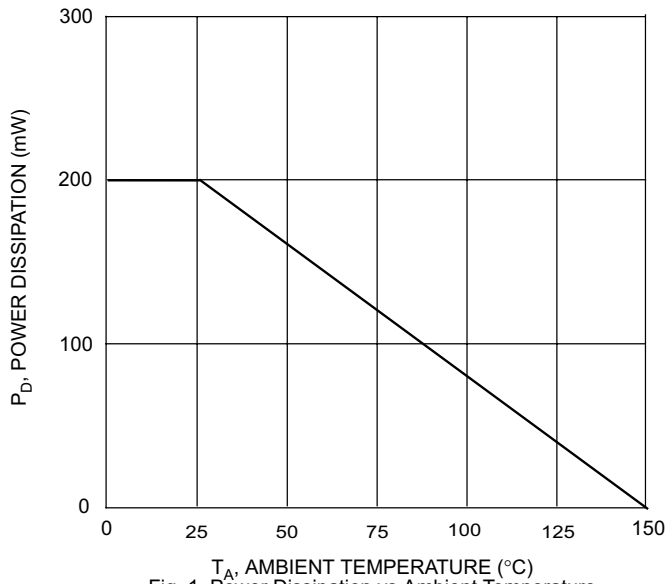


Fig. 1 Power Dissipation vs Ambient Temperature

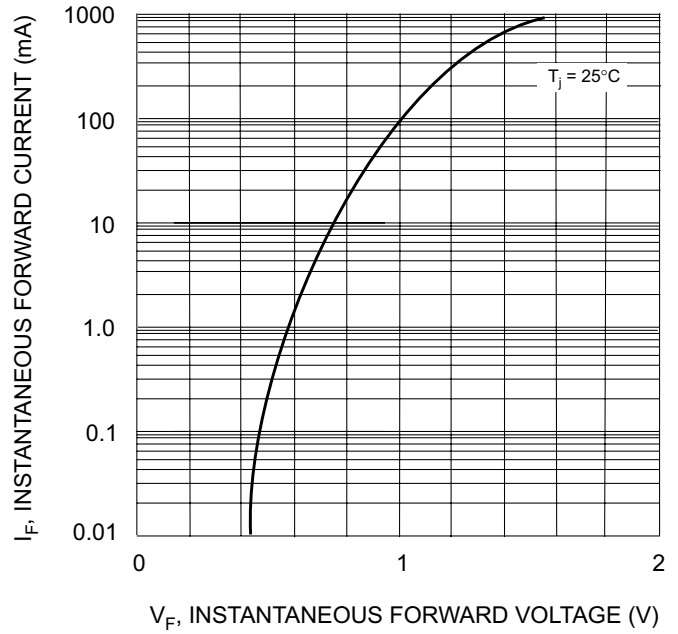


Fig. 2 Forward Characteristics

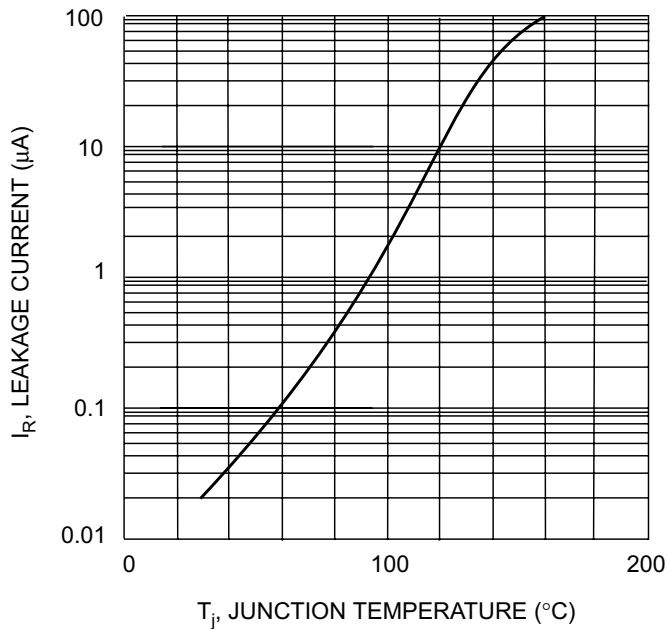
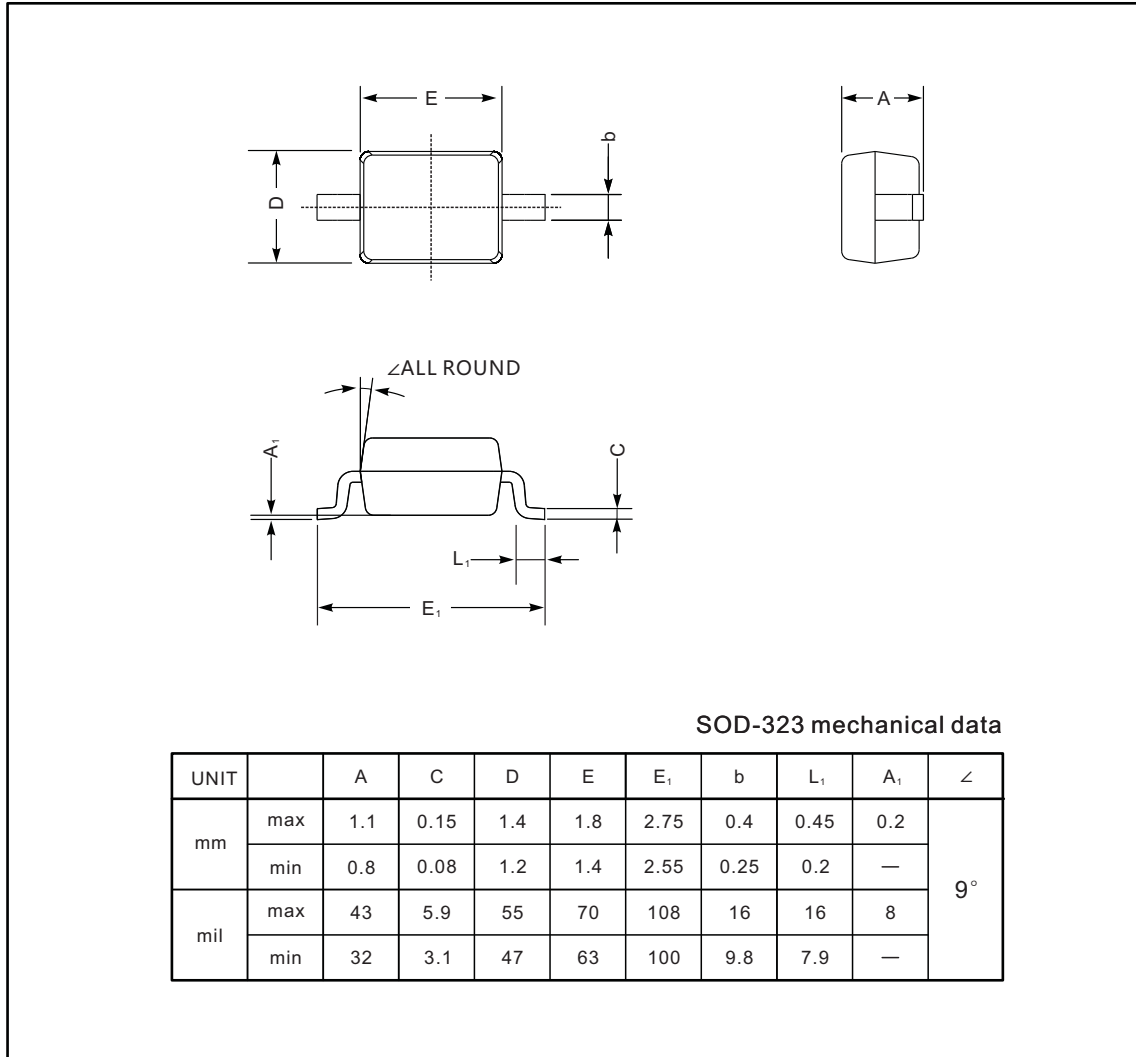


Fig. 3 Leakage Current vs Junction Temperature

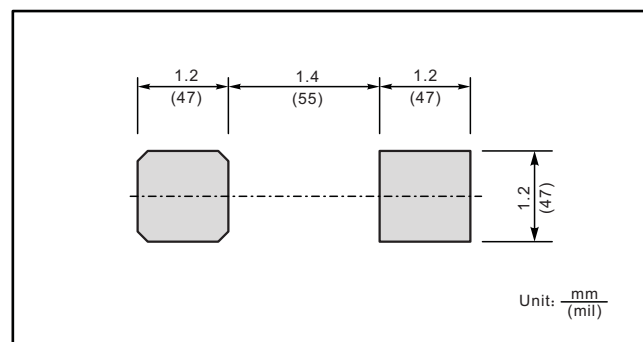
## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



### The recommended mounting pad size



单击下面可查看定价，库存，交付和生命周期等信息

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