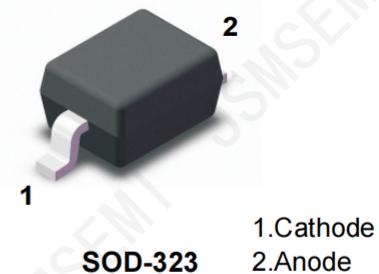


## Features

- ◆ Small surface mounting type.(EMD2,UMD2)
- ◆ Low reverse current and low forward voltage.
- ◆ High reliability.



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

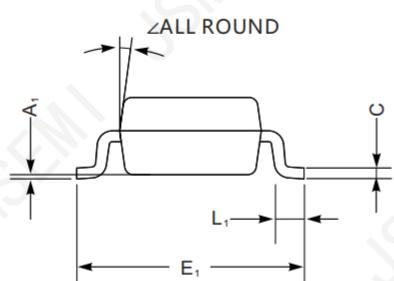
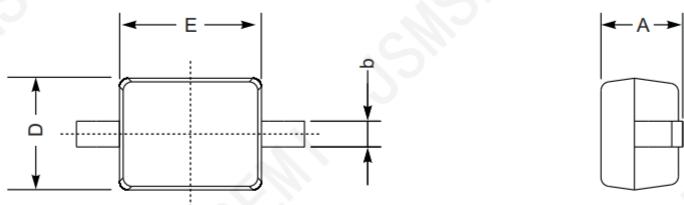
Characteristic	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_o$	30	mA
Peak forward surge current*	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

\*60 Hz for 1

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

Characteristic	Symbol	Condition	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 1 \text{ mA}$			0.37	V
Reverse current	$I_R$	$I_F = 30 \text{ V}$			0.5	$\mu\text{A}$
capacitance between terminal	$C_T$	$V_R = 1 \text{ V}, f = 1\text{MHz}$		2		pF

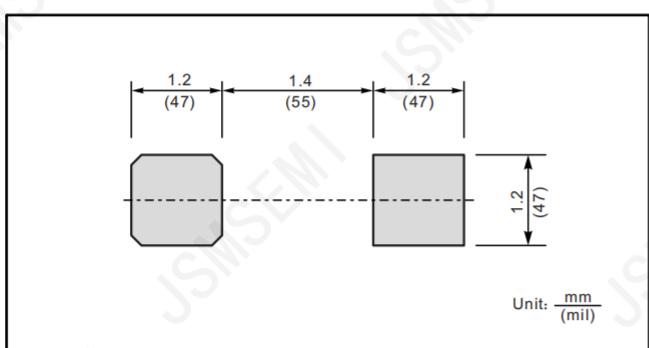
## SOD-323



SOD-323 mechanical data

UNIT		A	C	D	E	E <sub>1</sub>	b	L <sub>1</sub>	A <sub>1</sub>	∠
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2	9°
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—	
mil	max	43	5.9	55	70	108	16	16	8	9°
	min	32	3.1	47	63	100	9.8	7.9	—	

## The recommended mounting pad size



## Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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