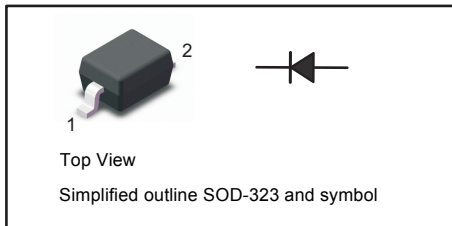


PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode


Features

- ◆ Small surface mounting type
- ◆ High reliability

Applications

- ◆ Low current rectification

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

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	40	V
Mean Rectifying Current	I_O	0.1	A
Peak Forward Surge Current (60 Hz for 1 Cyc.)	I_{FSM}	1	A
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 40 to + 125	$^\circ\text{C}$

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

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$ at $I_F = 10\text{ mA}$	V_F	-	0.55	V
	V_F	-	0.34	V
Reverse Current at $V_R = 10\text{ V}$	I_R	-	30	μA
Capacitance Between Terminals at $V_R = 10\text{ V}$, $f = 1\text{ MHz}$	C_T	6	-	pF

Note: ESD sensitive product handling required.

Typical Characteristics

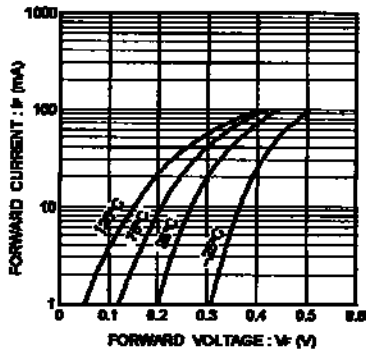


Fig. 1 Forward characteristics

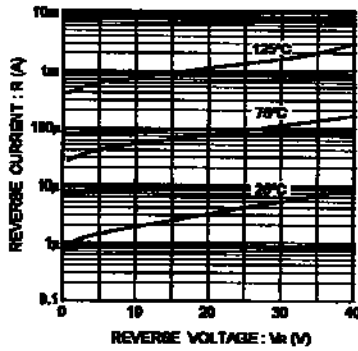


Fig. 2 Reverse characteristics

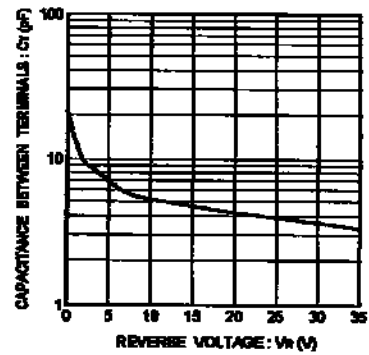


Fig. 3 Capacitance between terminals characteristics

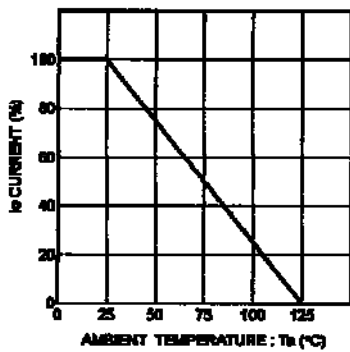
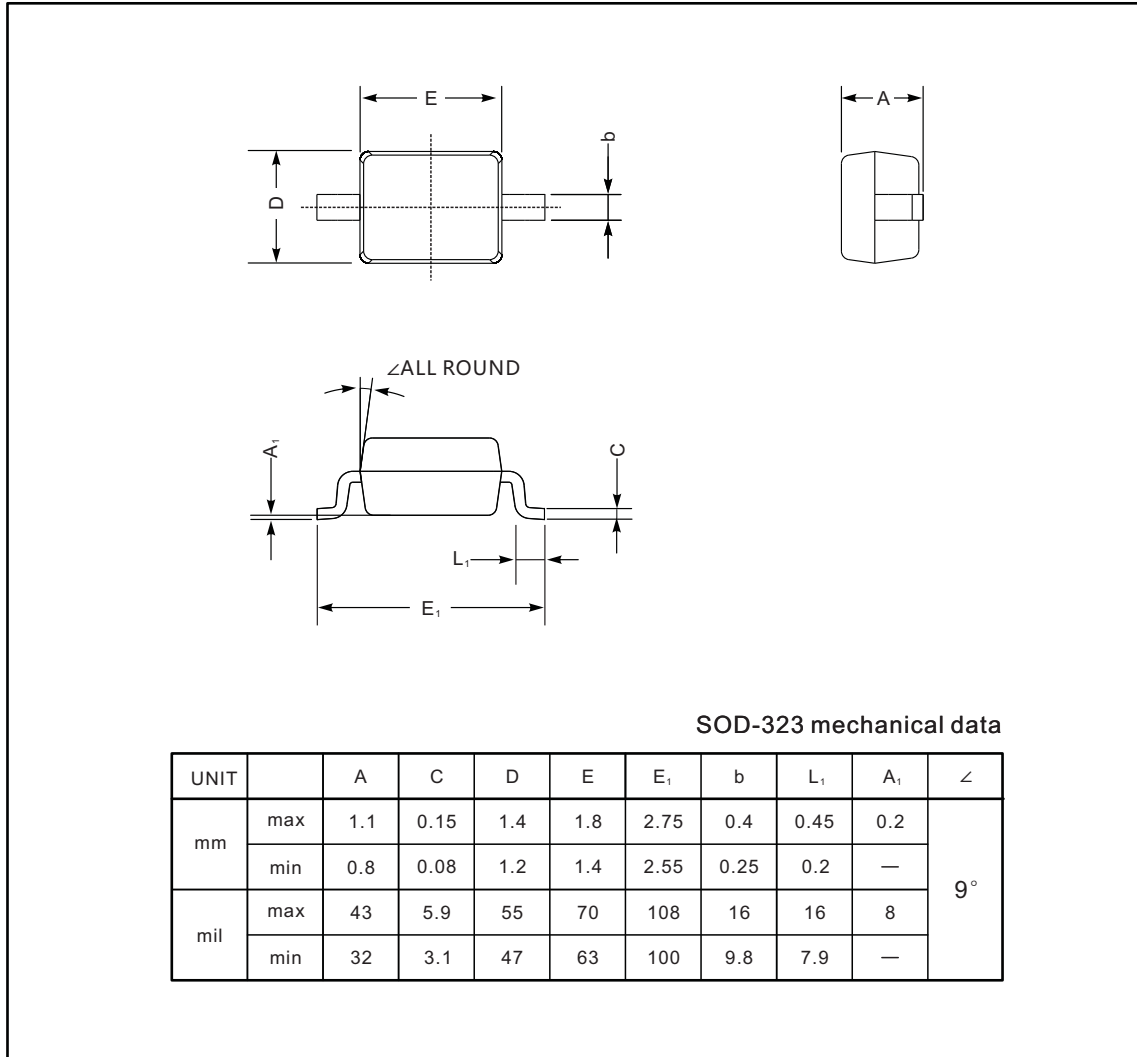


Fig. 4 Derating curve (mounting on glass epoxy PCBs)

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



The recommended mounting pad size

