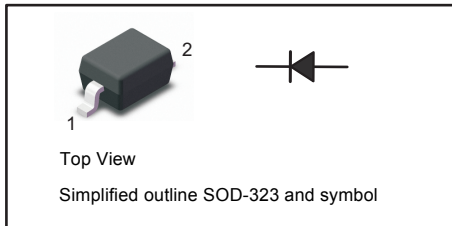


**PINNING**

PIN	DESCRIPTION
1	Cathode
2	Anode


**FEATURES**

- ◆ Small Surface Mounting Type
- ◆ Low reverse current and low forward voltage
- ◆ High Reliability

**APPLICATIONS**

- ◆ High speed switching

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

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	40	V
Reverse Voltage	$V_R$	30	V
Mean Rectifying Current	$I_O$	30	mA
Peak Forward Surge Current (60 Hz for 1 Cyc.)	$I_{FSM}$	200	mA
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 $I_F = 1\text{ mA}$	$V_F$	-	0.37	V
Reverse Current at $V_R = 30\text{ V}$	$I_R$	-	0.5	$\mu\text{A}$
Capacitance Between Terminals at $V_R = 1\text{ V}$ , $f = 1\text{ MHz}$	$C_T$	2	-	pF

Note: ESD sensitive product handling required.

Typical Characteristics

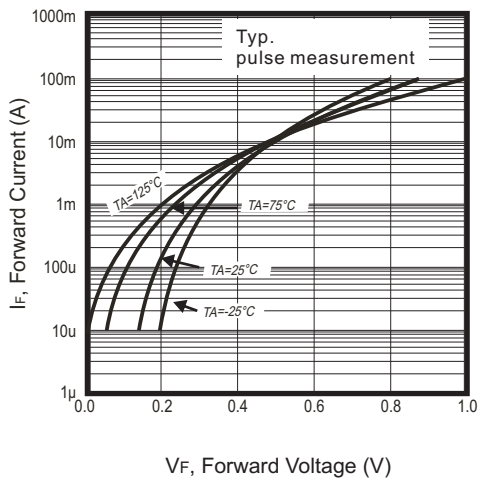


Fig.1 Forward Characteristics

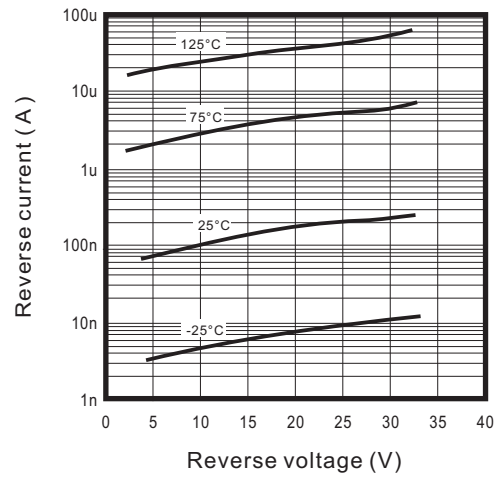


Fig. 2 - Reverse characteristics

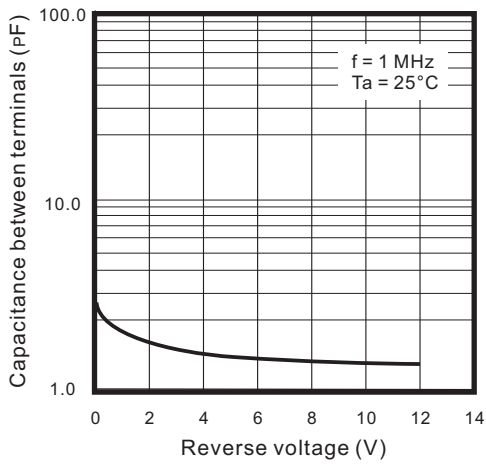
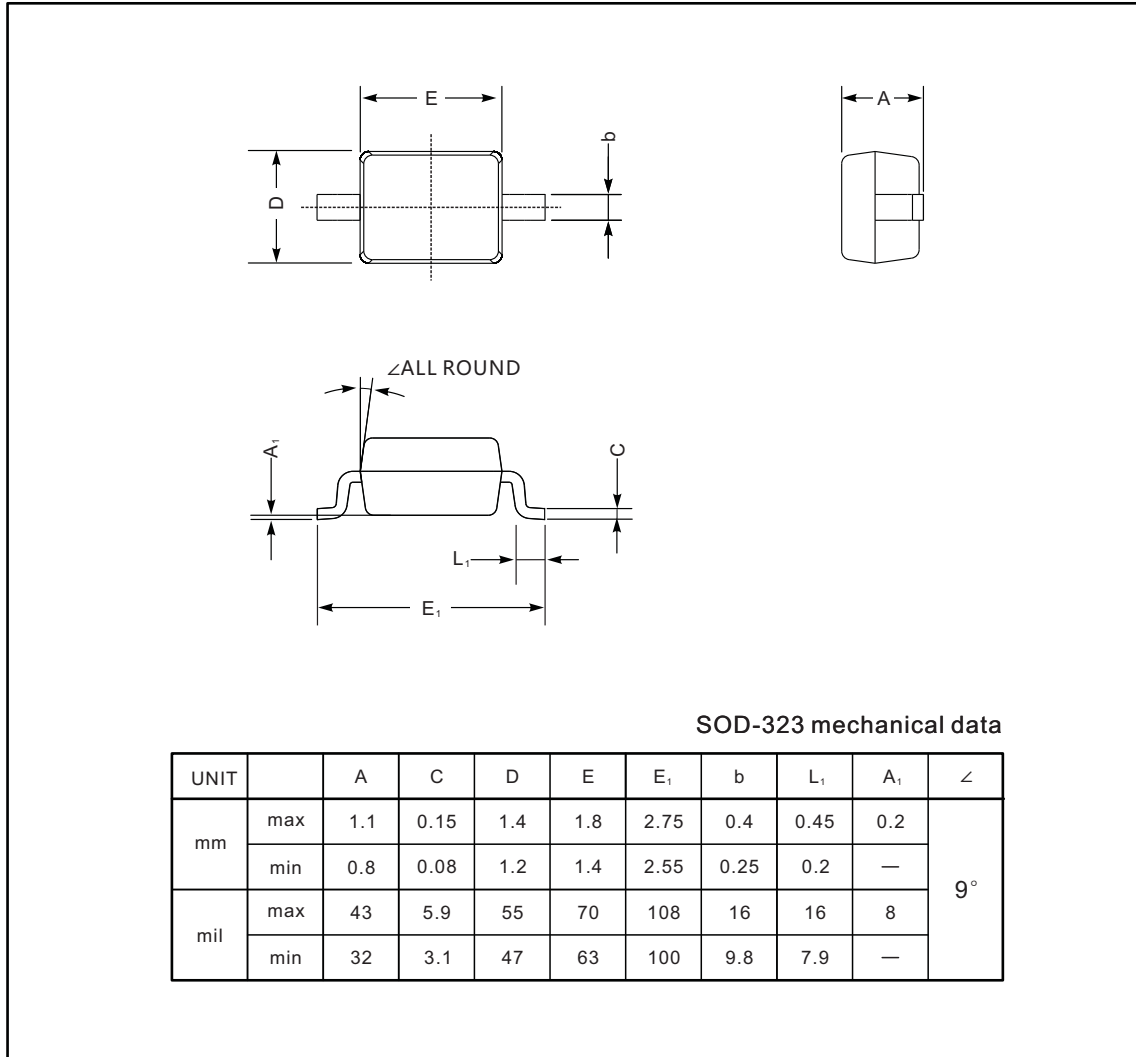


Fig. 3 - Capacitance between terminals characteristics

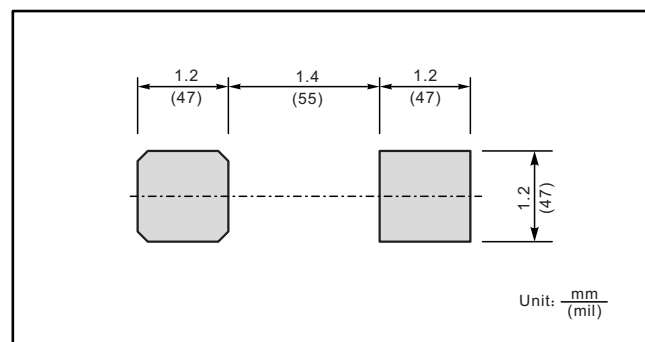
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



The recommended mounting pad size



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