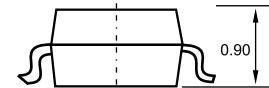
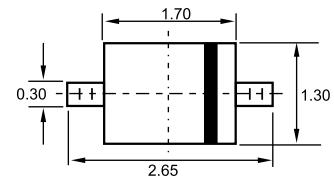



SOD-323


Features

- ❖ Low current rectifier Schottky diode
- ❖ Low voltage, low inductance
- ❖ For power supply

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Maximum Ratings

Dimensions in inches and (millimeters)

Parameter	Symbol	Limits		Unit
Peak reverse voltage	V_{RM}	45		V
DC reverse voltage	V_R	40		V
Mean rectifying current	I_O	0.1		A
Peak forward surge current	I_{FSM}	1		A
Junction temperature	T_j	125		°C
Storage temperature	T_{stg}	-40~+125		°C

Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.45	V	$I_F=10\text{mA}$
Reverse current	I_R			1	μA	$V_R=10\text{V}$
Capacitance between terminals	C_T		6		pF	$V_R=10\text{V}, f=1\text{MHz}$

Typical Characteristics

- Electrical characteristic curves ($T_a = 25^\circ\text{C}$)

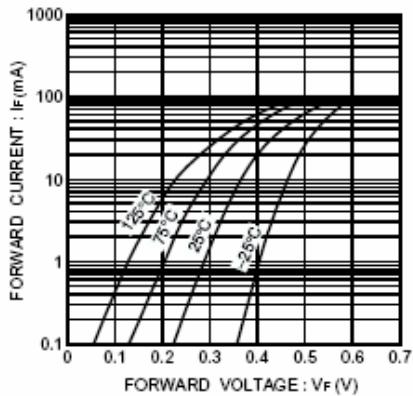


Fig. 1 Forward characteristics

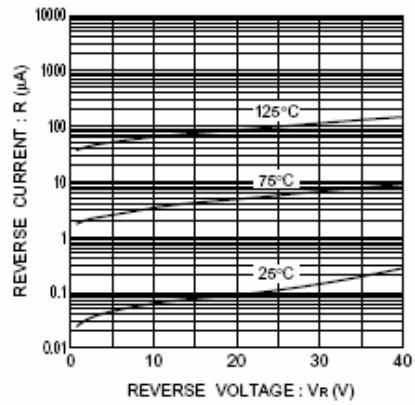


Fig. 2 Reverse characteristics

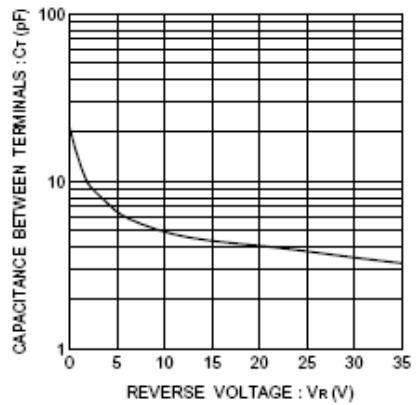


Fig. 3 Capacitance between terminals characteristics

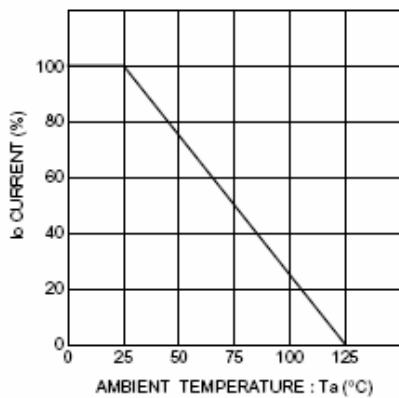


Fig. 4 Derating curve
(mounting on glass epoxy PCBs)