

SOD-323

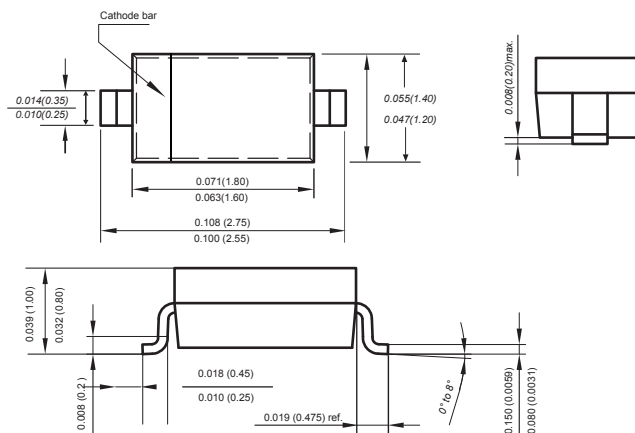
Features

- Small surface mounting type
- High reliability

Applications

- Low current rectification

MARKING:S7



Dimensions in inches and (millimeters)

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 V_F	- -	0.55 0.34	V 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

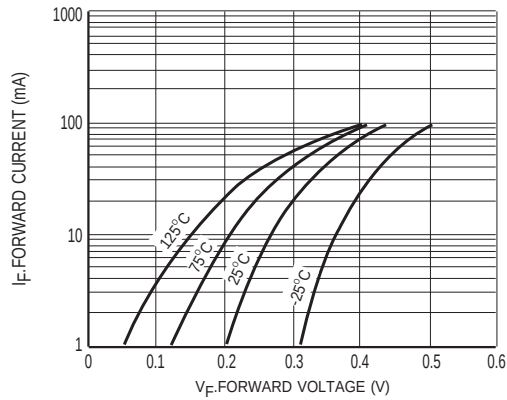


Figure1 Forward characteristics

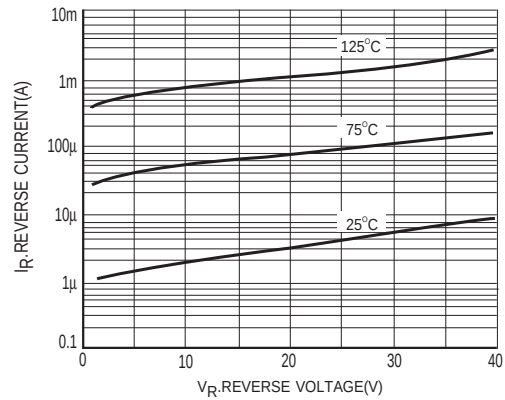


Figure2 Reverse characteristics

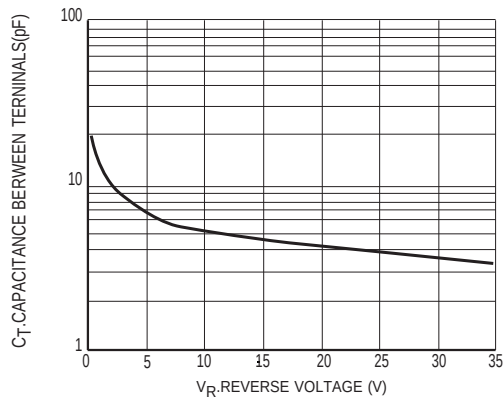


Figure3 Capacitance between terminals characteristics

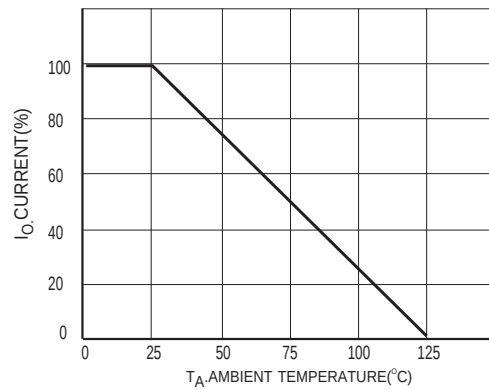


Figure4 Derating curve(mounting on glass epoxy PCBs)