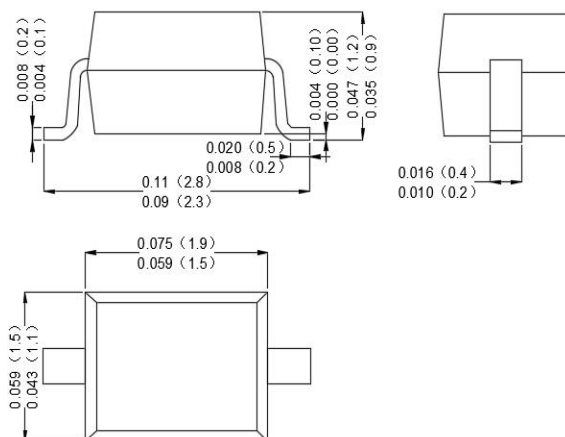




### Features

- Small surface mounting type
- Ultra low  $V_F$
- High reliability

### SOD-323



Dimensions in inches and (millimeters)

### Mechanical Data

- Case:Molded Plastic,SOD-323
- Epoxy:UL 94V-0 rate flame retardant
- Terminals:Plated Leads Solderable per MIL-STD-750,Method-2026
- Mounting Position : Any.
- Marking: BB

### Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	20	V
Reverse Voltage	$V_R$	10	V
Mean Rectifying Current	$I_O$	200	mA
Peak Forward Surge Current	$I_{FSM}$	0.5	A
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	- 40 to + 125	°C

### Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 50$ mA at $I_F = 200$ mA	$V_F$	0.3 0.41	V
Reverse Current at $V_R = 10$ V	$I_R$	20	μA



Rating And Characteristic Curves

Fig.1 Forward characteristics

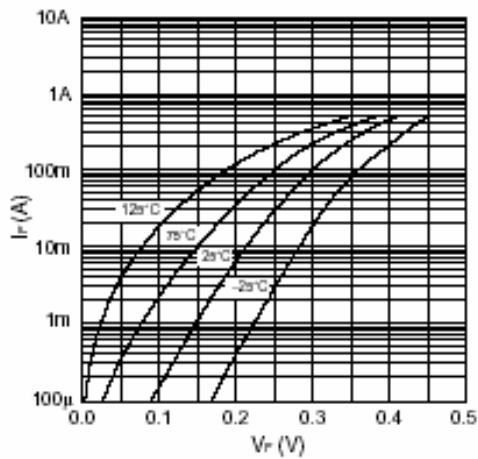


Fig.1 Reverse characteristics

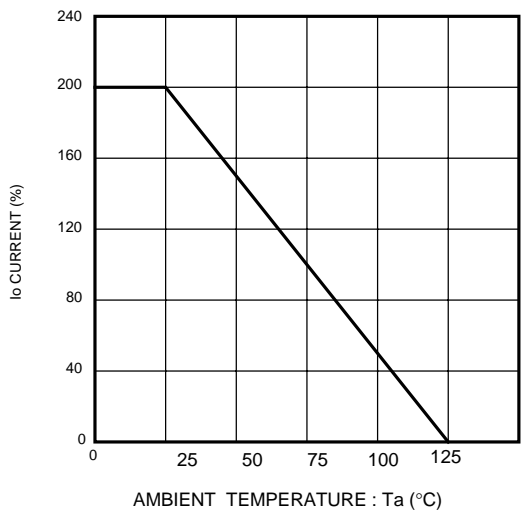
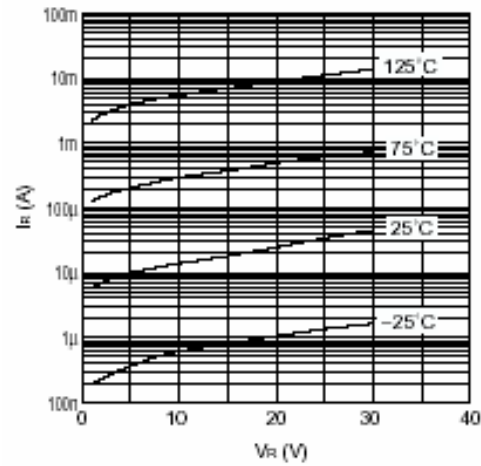


Fig.3 Derating curve



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