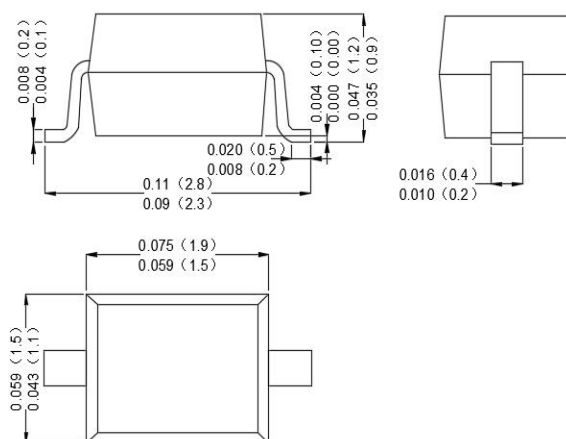




Features

- Small surface mounting type
- Low forward voltage
- High reliability

SOD-323



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: PR

Dimensions in inches and (millimeters)

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

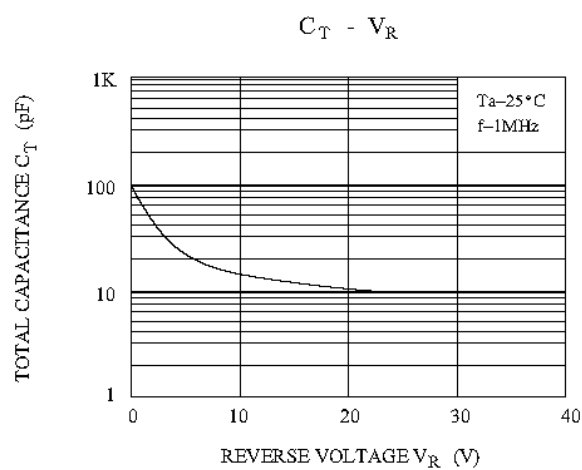
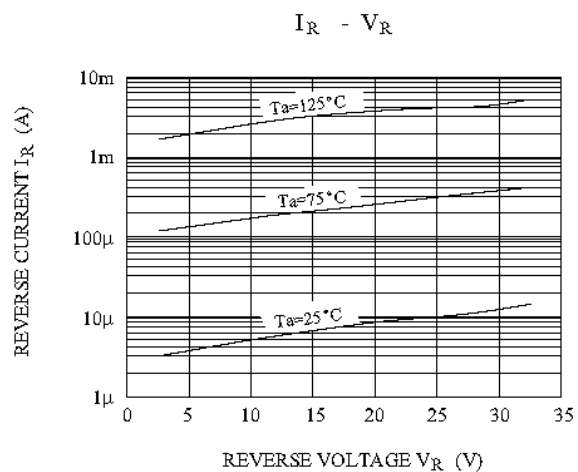
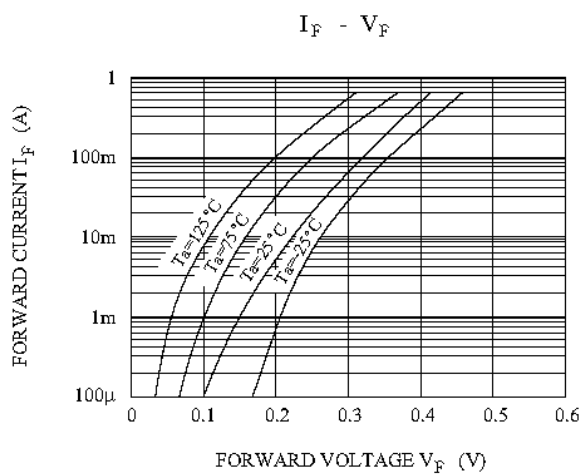
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	40	V
Reverse Voltage	V_R	20	V
Average Forward Current	I_O	0.5	A
Peak Forward Surge Current	I_{FSM}	3	A
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	- 40 to + 125	°C

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

Parameter	Symbol		Max.	Unit
Forward Voltage at $I_F = 10$ mA at $I_F = 500$ mA	V_F	- -	0.3 0.5	V
Reverse Current at $V_R = 10$ V at $V_R = 40$ V	I_R	- -	30 200	μA
Total Capacitance at $V_R = 10$ V, $f = 1$ MHz	C_T	20	-	pF



Rating And Characteristic Curves





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