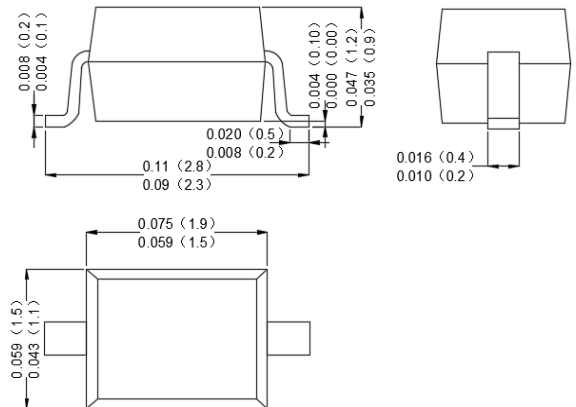




Features

- Small surface mounting type
- Low VF
- 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:D4

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

Symbol	Parameter	Value	Unit
V_{RM}	Non-Repetitive Peak Reverse Voltage	40	V
I_O	Continuous Forward Current	500	mA
I_{FSM}	Non-repetitive Forward Peak Surge Current @t=8.3ms	2	A
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	°C/W
T_j	Junction Temperature	125	°C
T_{stg}	Storage Temperature	-55~+150	°C

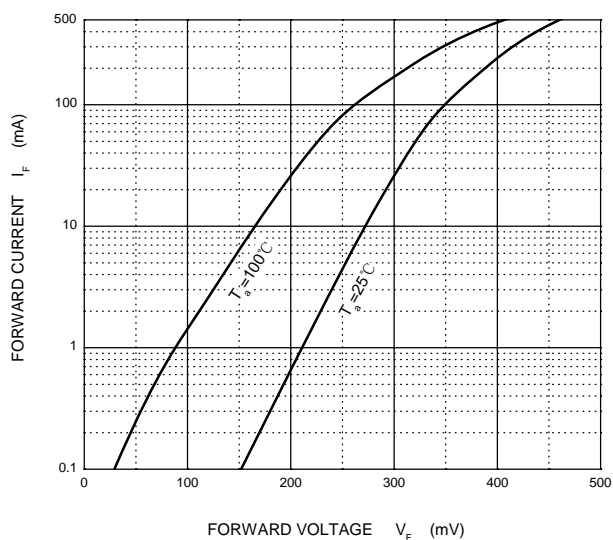
Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=0.1mA$	40			V
Reverse current	I_R	$V_R=40V$			0.1	mA
Forward voltage	V_F	$I_F=500mA$			0.47	V

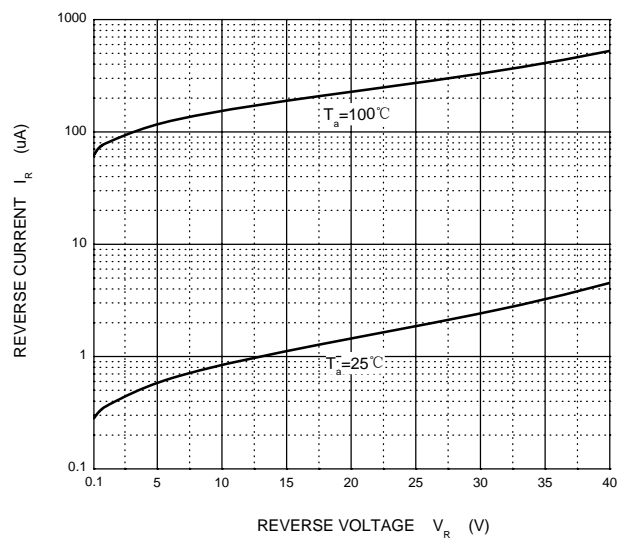


Rating And Characteristic Curves

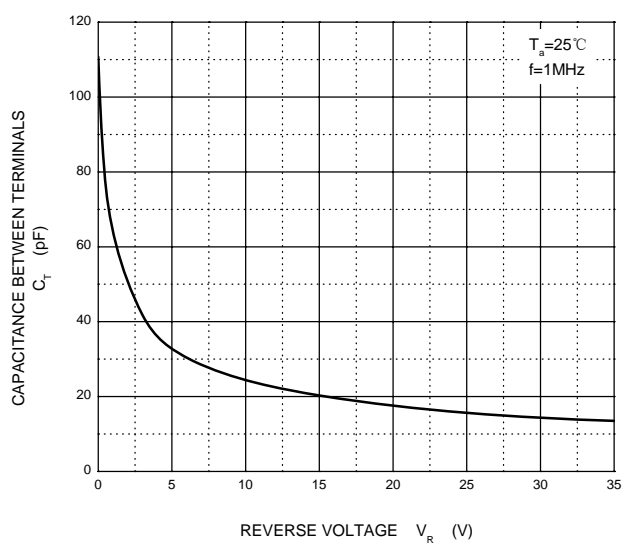
Forward Characteristics



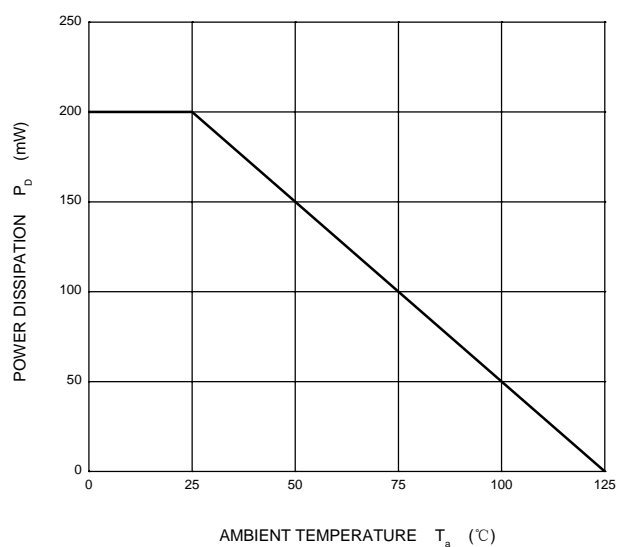
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve





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