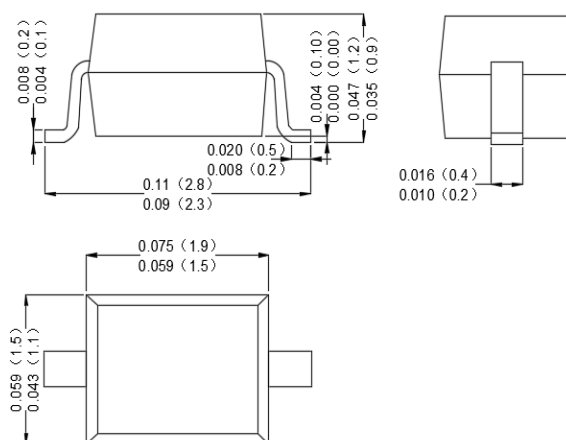




### Features

- Super-high speed switching circuit
- Small current rectification

### 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:DO

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

Parameter	Symbol	Value	Unit
Reverse Voltage	$V_R$	30	V
Peak Forward Current	$I_{FM}$	300	mA
Average Forward Current	$I_{F(AV)}$	200	mA
Non-repetitive Peak Forward Surge Current <sup>1)</sup>	$I_{FSM}$	1	A
Junction Temperature	$T_J$	150	°C
Storage Temperature Range	$T_{stg}$	- 55 to + 150	°C

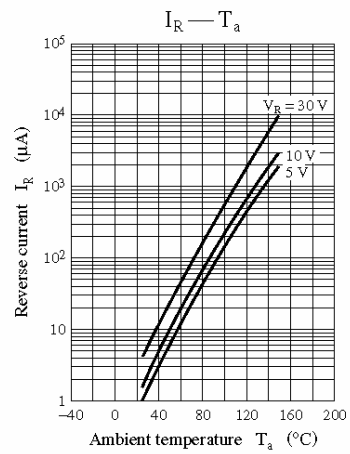
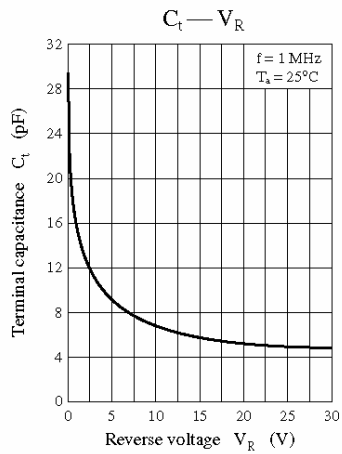
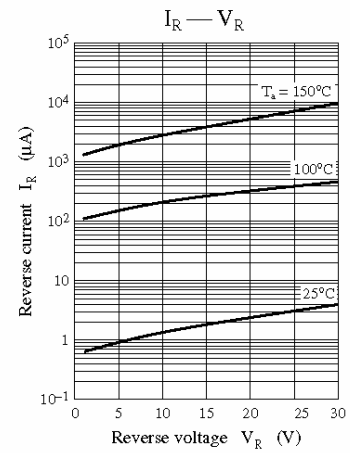
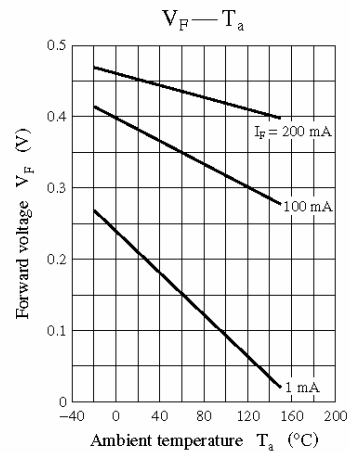
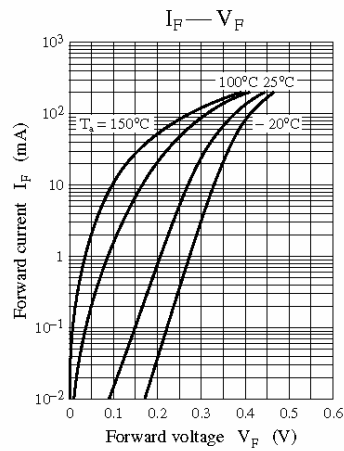
<sup>1)</sup> The peak-to-peak value in one cycle of 50 Hz sine-wave (non-repetitive)

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

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 200$ mA	$V_F$	-	0.55	V
Reverse Current at $V_R = 30$ V	$I_R$	-	50	μA
Terminal Capacitance at $f = 1$ MHz	$C_T$	30	-	pF
Reverse Recovery Time at $I_F = I_R = 100$ mA, $I_{rr} = 10$ mA, $R_L = 100$ Ω	$t_{rr}$	3	-	ns



### Rating And Characteristic Curves





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