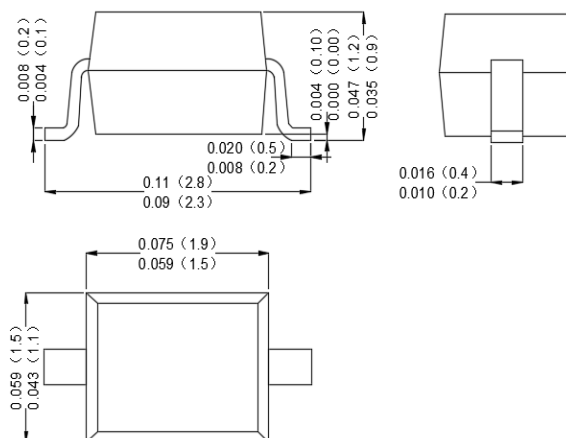




Features

- 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:SZ

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

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Reverse Voltage	V_R	30	V
Average Forward Current	I_O	200	mA
Maximum (Peak) Forward Current	I_{FM}	300	mA
Non-repetitive Peak Forward Surge Current ¹⁾	I_{FSM}	1	A
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	- 55 to + 150	°C

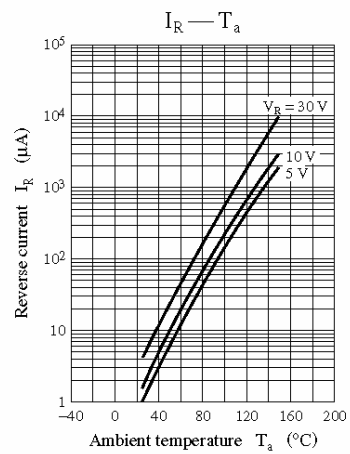
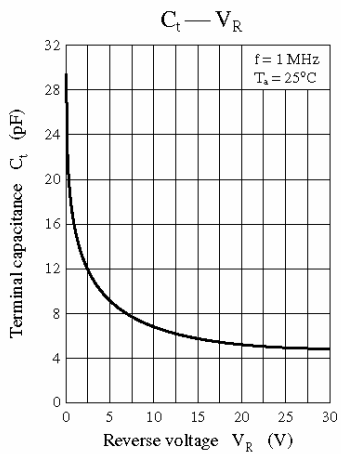
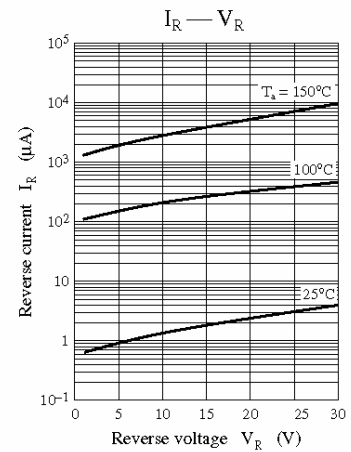
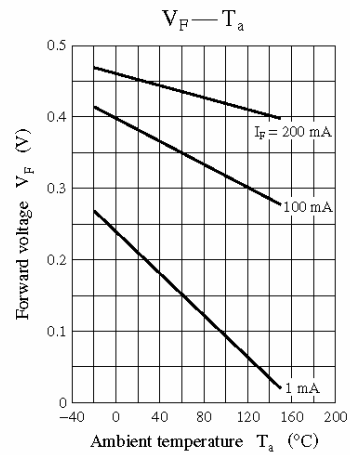
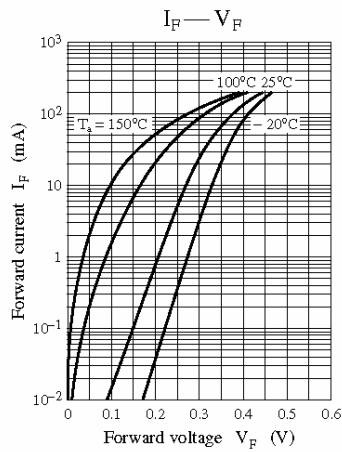
¹⁾ The peak-to-peak value in one cycle of 50 Hz sine-wave (non-repetitive)

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	μ A
Terminal Capacitance at $f = 1$ MHz	C_T	30	-	pF
Reverse Recovery Time at $I_F = I_R = 100$ mA, $I_{rr} = 10$ mA, $R_L = 100 \Omega$	t_{rr}	3	-	ns



Rating And Characteristic Curves





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