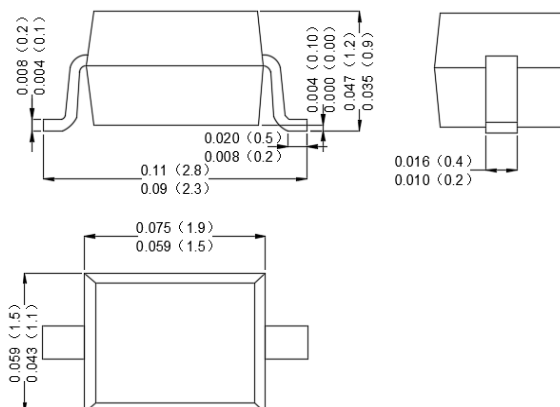




Features

- Small surface mounting type
- Low reverse current and 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:S8

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	30	V
Mean Rectifying Current	I_O	30	mA
Peak Forward Surge Current (60 Hz for 1 Cyc.)	I_{FSM}	200	mA
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	- 40 to + 125	°C

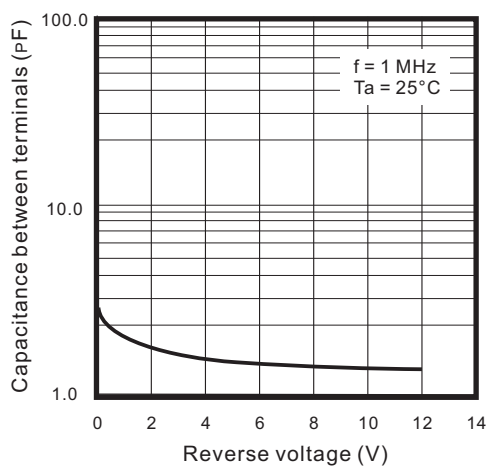
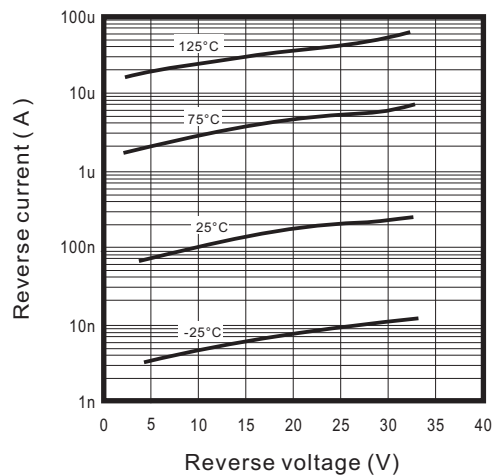
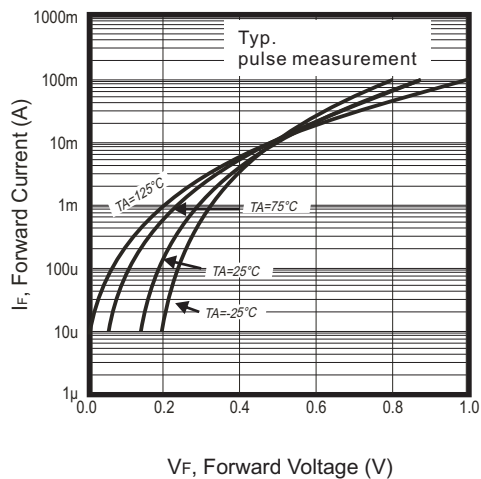
Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 1$ mA	V_F	-	0.37	V
Reverse Current at $V_R = 30$ V	I_R	-	0.5	μ A
Capacitance Between Terminals at $V_R = 1$ V, $f = 1$ MHz	C_T	2	-	pF

Note: ESD sensitive product handling required.



Rating And Characteristic Curves





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