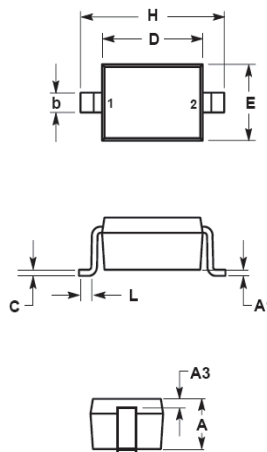


### Features

- Extremely Fast Switching Speed.
- Low Forward Voltage.
- Marking Code: L9

### Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	30	V
DC Blocking Voltage	$V_R$	21	V
Average Rectified Output Current	$I_O$	100	mA
Forward Continuous Current	$I_F$	200	mA
Repetitive Peak Forward Current	$I_{FRM}$	300	mA
Non-repetitive Peak Forward Surge Current at $t = 8.3 \text{ ms}$	$I_{FSM}$	600	mA
Power Dissipation	$P_D$	200	mW
Thermal Resistance from Junction to Ambient Air	$R_{\theta JA}$	500	$^\circ\text{C/W}$
Junction Temperature	$T_j$	- 40 to + 150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55 to + 150	$^\circ\text{C}$

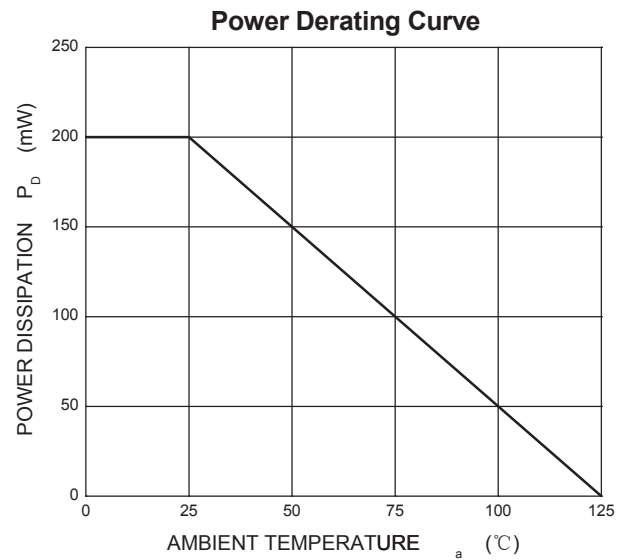
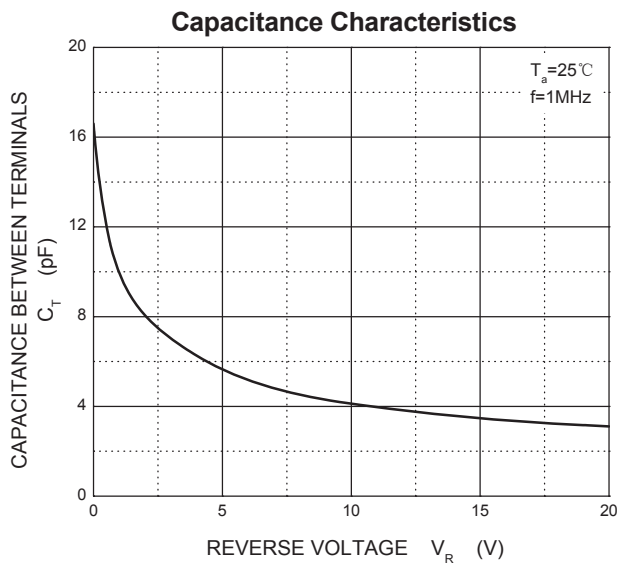
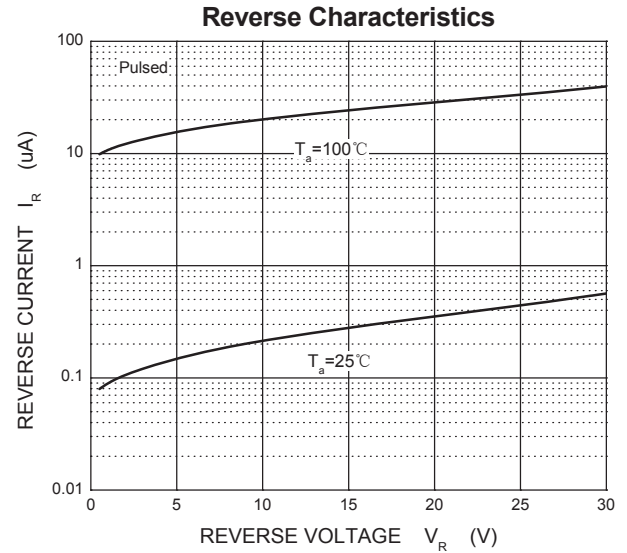
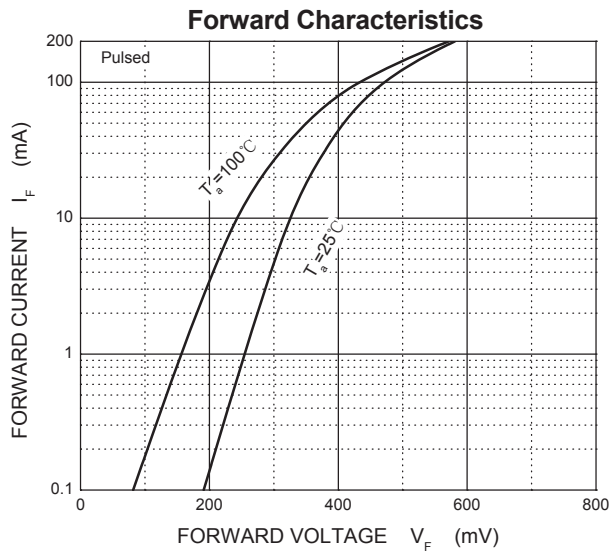


SOD-323		
Dim.	Min.	Max.
A	0.80	1.10
A1	0.00	0.10
A3	0.15 REF	
B	0.25	0.40
C	0.10	0.15
D	1.60	1.80
E	1.15	1.35
L	0.20	0.50
H	2.30	2.80
Dimensions in millimeter		

### Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 100\mu\text{A}$	30			V
Forward voltage	$V_{F1}$	$I_F = 0.1\text{mA}$			240	mV
	$V_{F2}$	$I_F = 1.0\text{mA}$			320	mV
	$V_{F3}$	$I_F = 10\text{mA}$			400	mV
	$V_{F4}$	$I_F = 30\text{mA}$			500	mV
	$V_{F5}$	$I_F = 100\text{mA}$			1000	mV
Reverse current	$I_R$	$V_R = 25\text{V}$			2.0	$\mu\text{A}$
Reverse recovery time	$t_{rr}$	$I_F = 10\text{mA}$ , $I_R = 10\text{mA}$ to $1\text{mA}$ , $R_L = 100\Omega$			5.0	ns
Capacitance between terminals	$C_T$	$V_R = 1\text{V}$ , $f = 1\text{MHz}$			10	pF

### TYPICAL TRANSIENT CHARACTERISTICS



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## IMPORTANT NOTICE

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