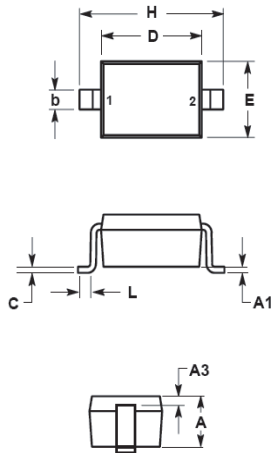


### Features

- Small Surface Mounting Type
- Low  $V_F$
- High Reliability
- Marking Code:D4



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		

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

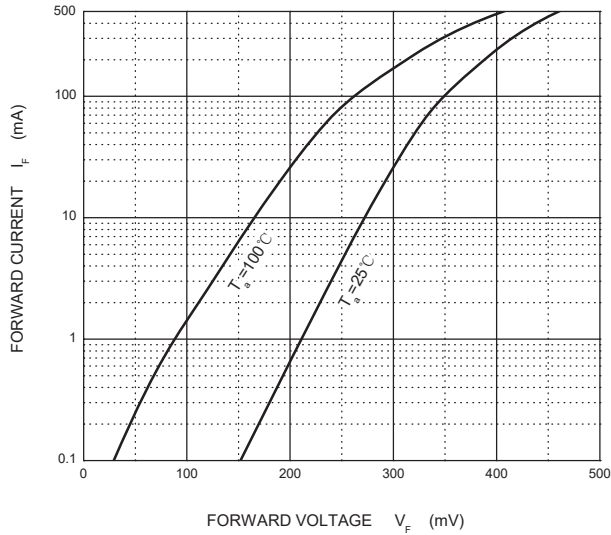
Symbol	Parameter	Value	Unit
$V_{RM}$	Non-Repetitive Peak Reverse Voltage	40	V
$I_o$	Continuous Forward Current	500	mA
$I_{FSM}$	Non-repetitive Forward Peak Surge Current @ $t=8.3\text{ms}$	2	A
$P_D$	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	$^\circ\text{C/W}$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

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

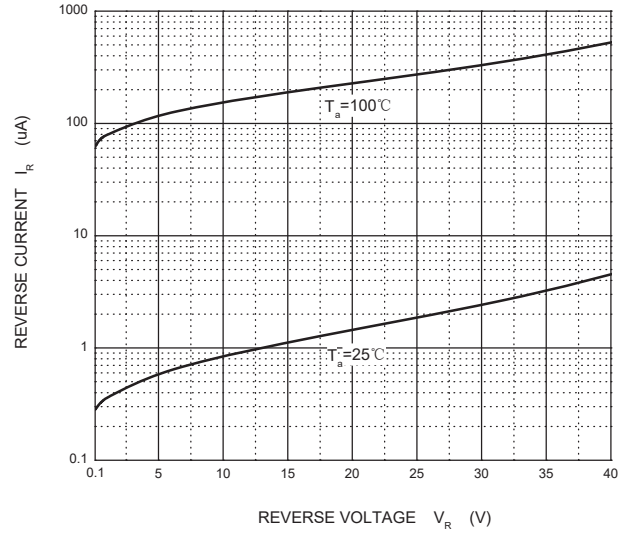
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=0.1\text{mA}$	40			V
Reverse current	$I_R$	$V_R=40\text{V}$			0.1	mA
Forward voltage	$V_F$	$I_F=500\text{mA}$			0.47	V

### TYPICAL TRANSIENT CHARACTERISTICS

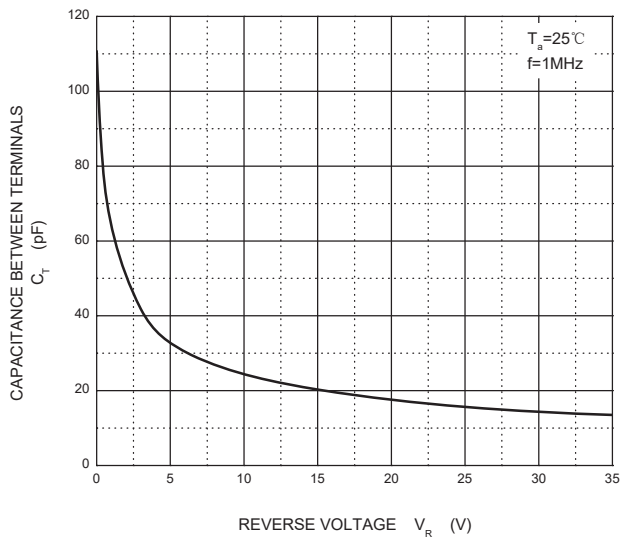
Forward Characteristics



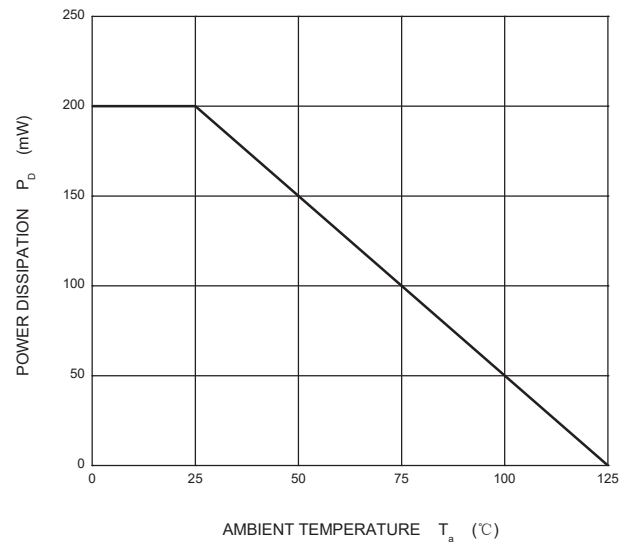
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve



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## IMPORTANT NOTICE

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