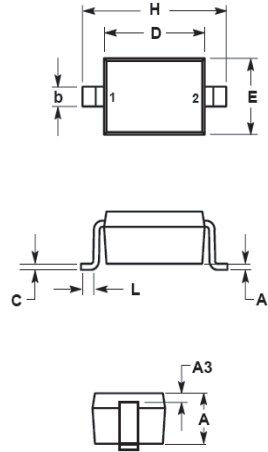


Features

- Low current rectifier schottky diode
- Low voltage.low inductance
- For power supply
- Marking Code:D



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		

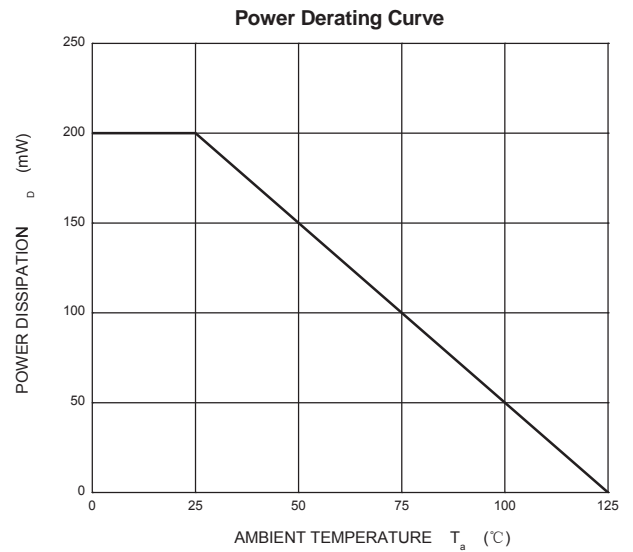
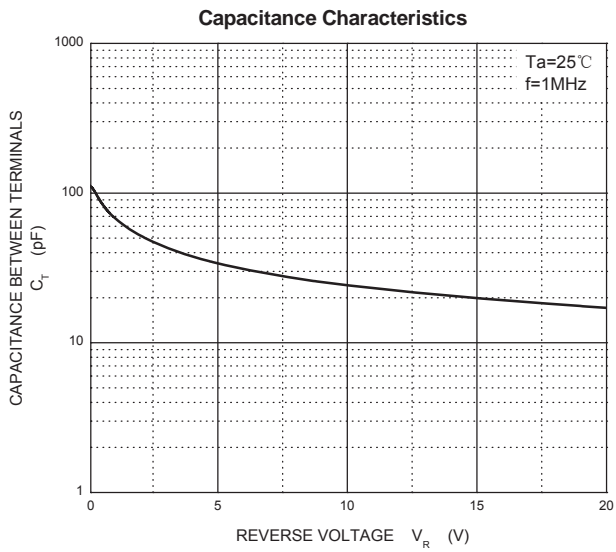
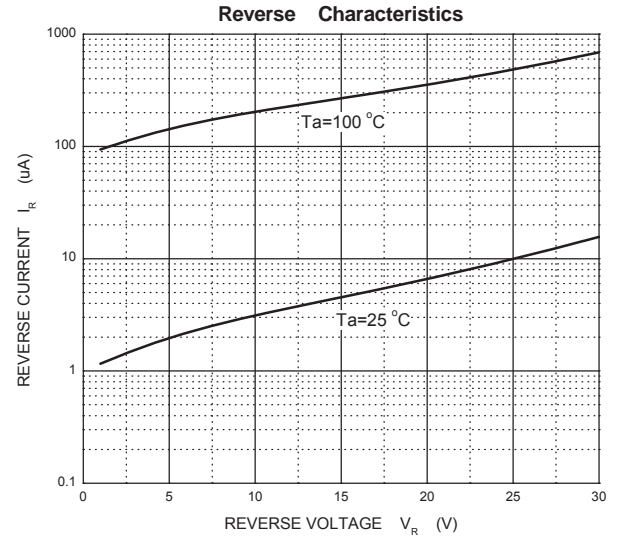
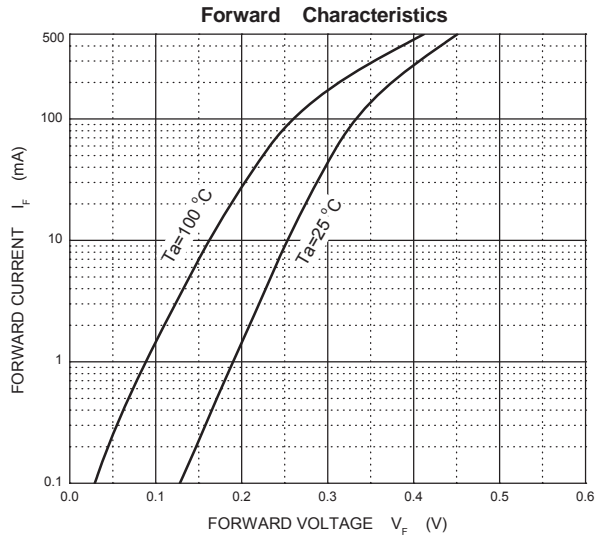
Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	30	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	0.5	A
Non-repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	I_{FSM}	2	A
Power dissipation	P_d	200	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	500	$^\circ\text{C/W}$
Operating Junction Temperature Range	T_J	-40 ~ +125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 ~ +150	$^\circ\text{C}$

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

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.36 0.47	V	$I_F=100\text{mA}$ $I_F=500\text{mA}$
Reverse current	I_R			100	μA	$V_R=20\text{V}$

TYPICAL TRANSIENT CHARACTERISTICS



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