



Features

Low current rectifier schottky diode.

Low voltage, low inductance.

For power supply.

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
RB551V-30	SOD-323	D	3000



SOD-323



Maximum Ratings (Ta=25°C unless otherwise noted)

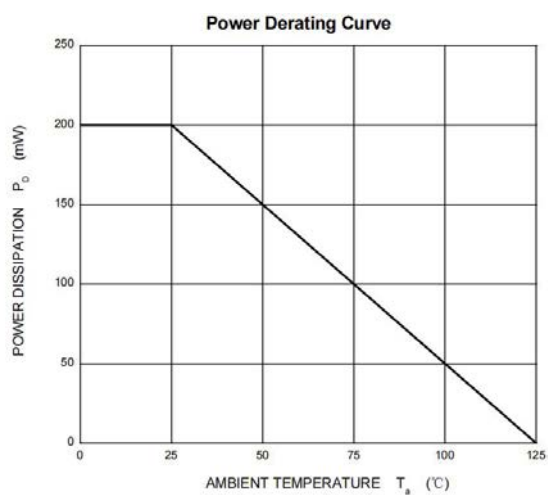
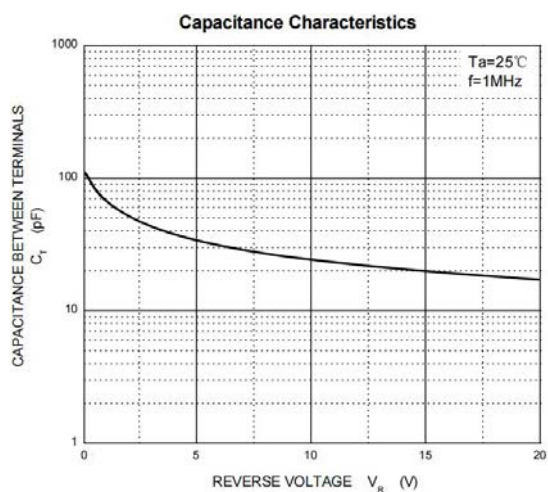
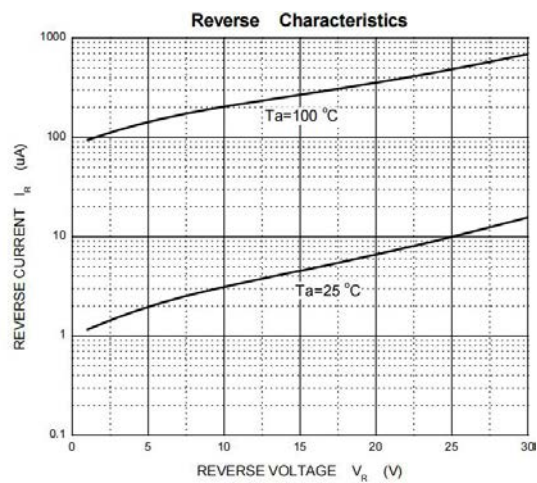
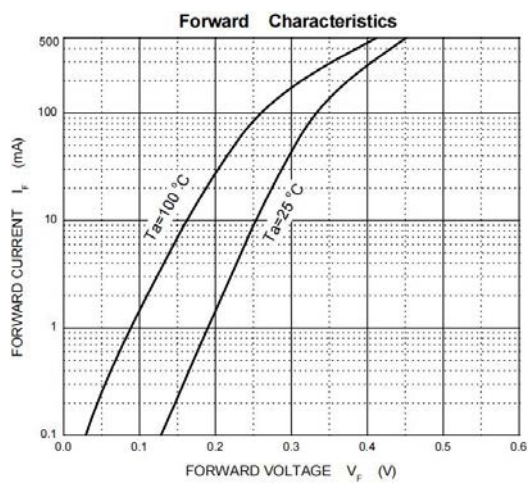
Symbol	Parameter	Limit	Unit
V_{RM}	Peak Reverse Voltage	30	V
V_R	DC Blocking Voltage	30	V
I_O	Mean rectifying current	500	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current@8.3mS	2.0	A
P_d	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	°C/W
T_J	Operation Junction Temperature Range	-40~+125	°C
T_{STG}	Storage Temperature Range	-55~+150	°C

Electrical Characteristics (Ta=25°C unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
I_R	Reverse voltage leakage current	$V_R=20V$			100	μA
$V_F(1)$	Forward voltage(1)	$I_F=100mA$			0.36	V
$V_F(2)$	Forward voltage(2)	$I_F=500mA$			0.47	V

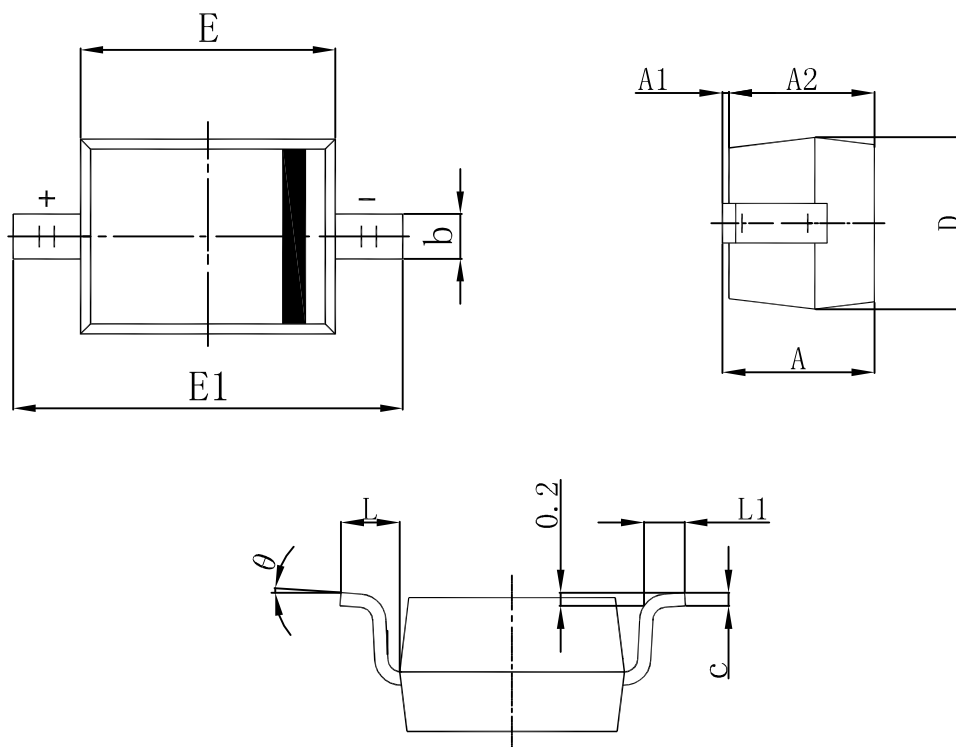


Typical Characteristics





SOD-323 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A		1.100		0.043
A1	0.000	0.100	0.000	0.004
A2	0.800	1.000	0.031	0.039
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.200	1.400	0.047	0.055
E	1.600	1.800	0.063	0.071
E1	2.500	2.750	0.098	0.108
L	0.475 REF		0.019 REF	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°



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