



### Features

- Average Rectified Output Current:  $I_O=100\text{ mA}$
- Power Dissipation of 200mw



SOD-323



### Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
1SS357	SOD-323	S31	3000

### Maxmim Ratings (Ta=25°C unless otherwise noted)

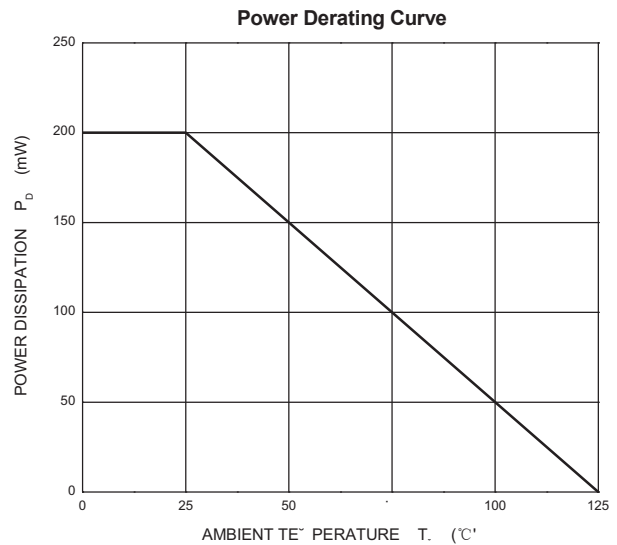
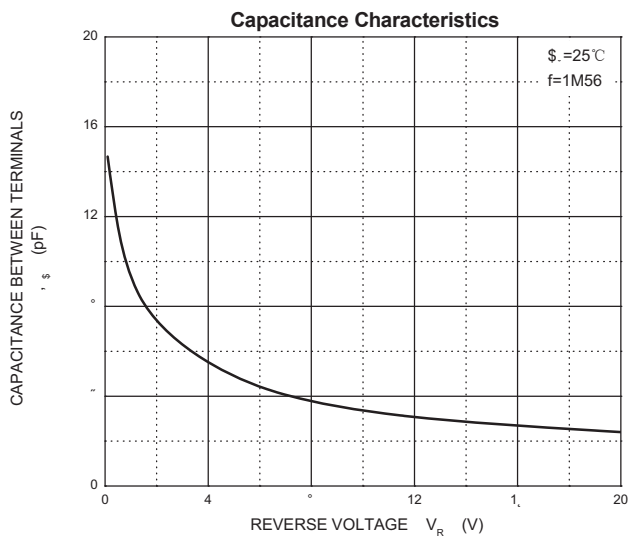
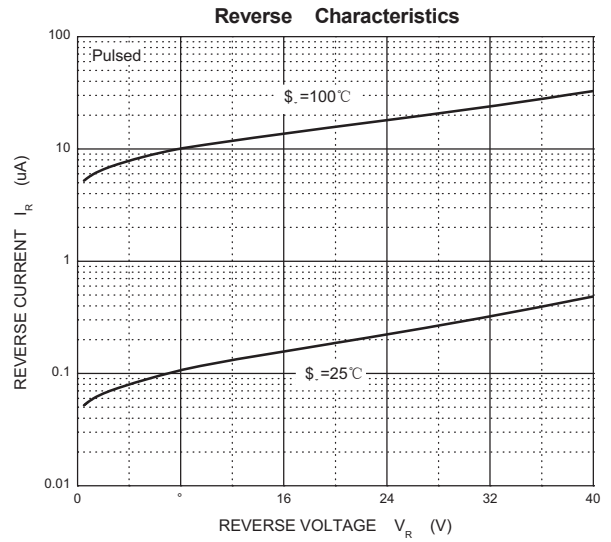
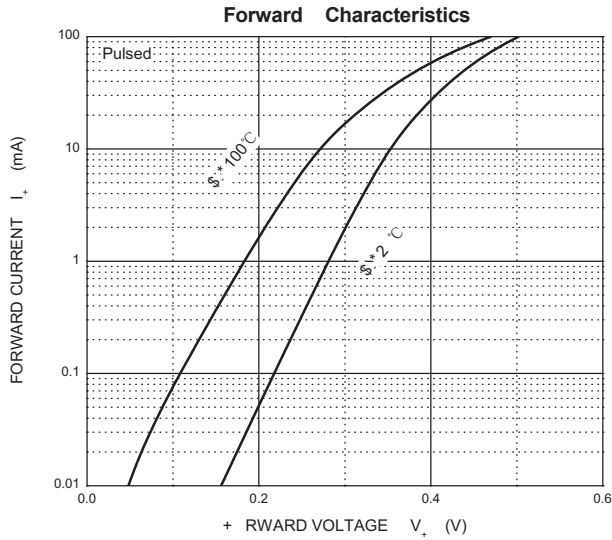
Parameter	Symbol	Limit	Unit
Peak Forward Voltage	$V_{RM}$	45	V
DC reverse voltage	$V_R$	40	V
Mean rectifying current	$I_O$	0.1	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	$I_{FSM}$	1	A
Power dissiation	$P_D$	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JJ}$	500	°C/W
Operating Junction Temperature Range	$T_j$	-40 ~ +125	°C
Storage Temperature Range	$T_{stg}$	-55 ~ +150	°C

### Electrcal Charcteristics (Ta=25°C unless otherwise specified)

Parameter	Symbol	Min	Max	Unit	Conditions
Forward voltage	$V_F$		0.35	V	$I_F=1\text{ mA}$
Forward voltage	$V_F$		0.45	V	$I_F=10\text{ mA}$
Forward voltage	$V_F$		0.60	V	$I_F=100\text{ mA}$
Reverse current	$I_R$		5	$\mu\text{A}$	$V_R=40\text{ V}$
Capacitance between terminalns	$C_T$		25	pF	$V_R=0\text{ V}, f=1\text{ MHz}$

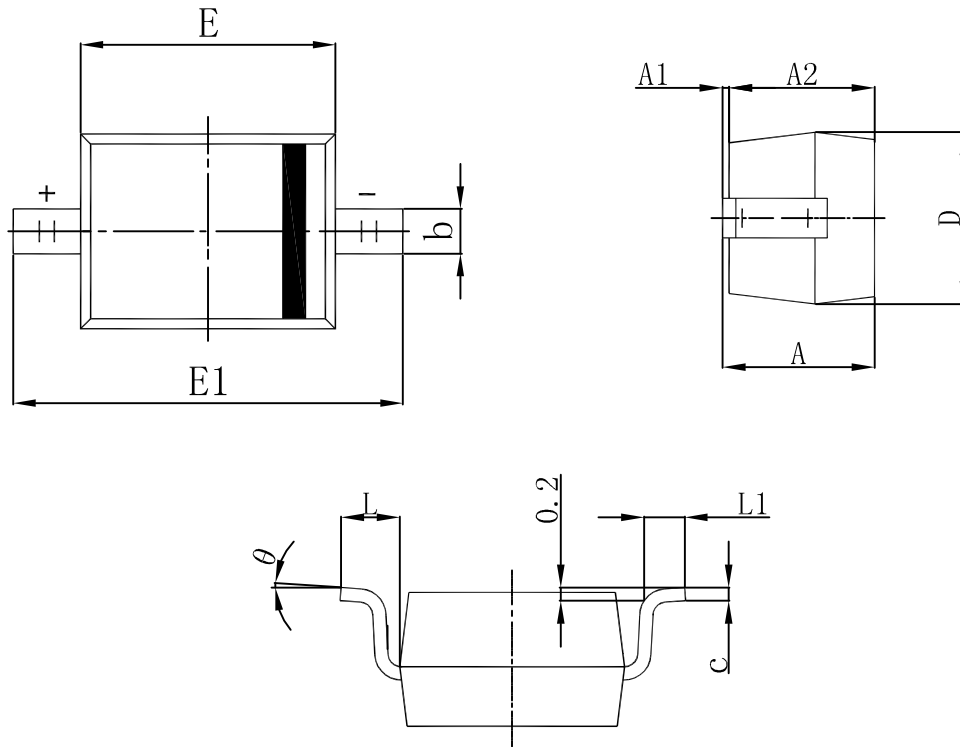


## Typical Characteristics





**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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