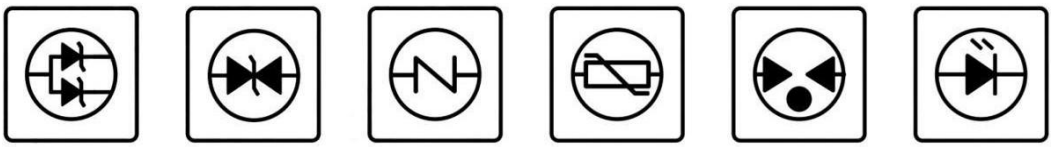
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SEMICONDUCTOR



1SS355-MS

Product specification

Features

- Small plastic package suitable for surface mounted design
- High reliability with high surge current handling capability

Applications

- High speed switching

Reference News

PINNING	Marking



PIN	DESCRIPTION
1	Cathode
2	Anode



SOD-323



Absolute Maximum Ratings (Ta = 25℃)

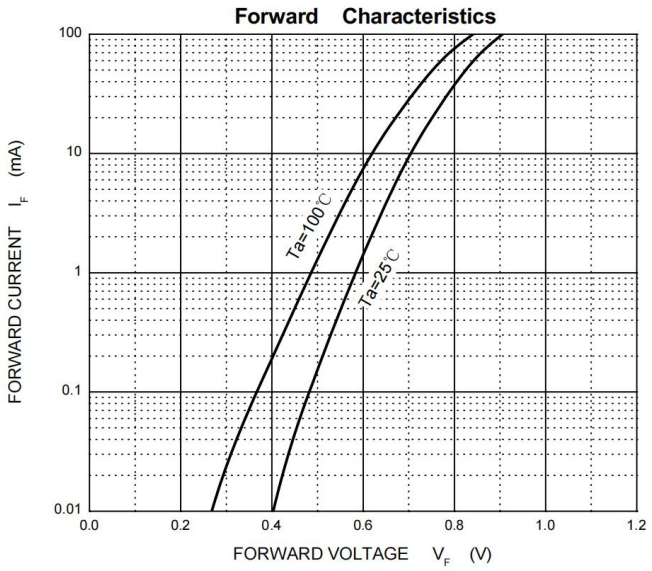
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	90	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Peak Forward Current	I_{FM}	225	mA
Surge Forward Current (1 s)	I_{FSM}	500	mA
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	- 55 to + 150	℃

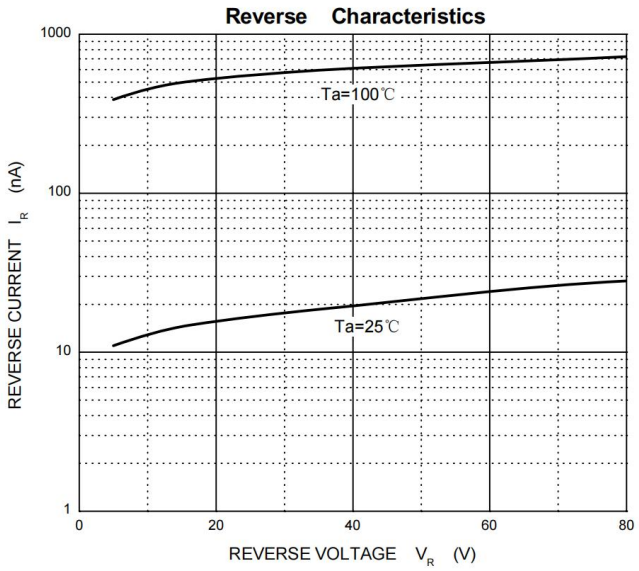
Electrical Characteristics (Ta = 25℃)

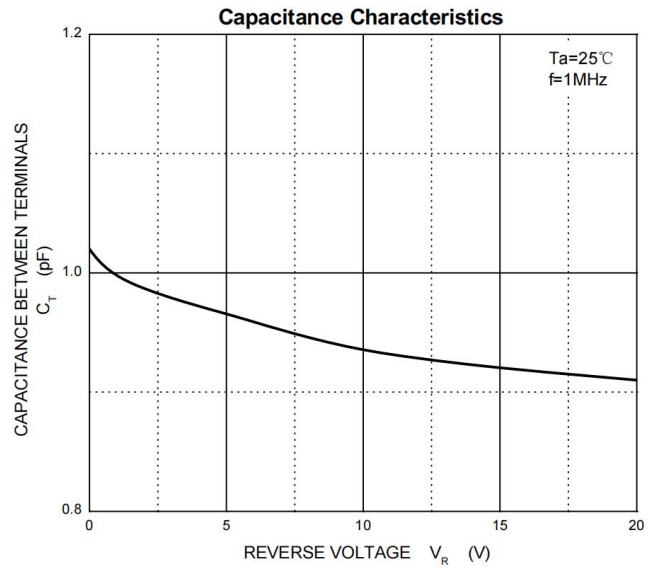
Parameter	Symbol	Max.	Unit
Forward Voltage at I_F = 100 mA	V_F	1.2	V
Reverse Current at V_R = 80 V	I_R	0.1	μA
Capacitance between Terminals at V_R = 0.5 V, f = 1 MHz	C_T	3	pF
Reverse Recovery Time at V_R = 6 V, I_F = 10 mA, R_L = 100 Ω	t_{rr}	4	ns

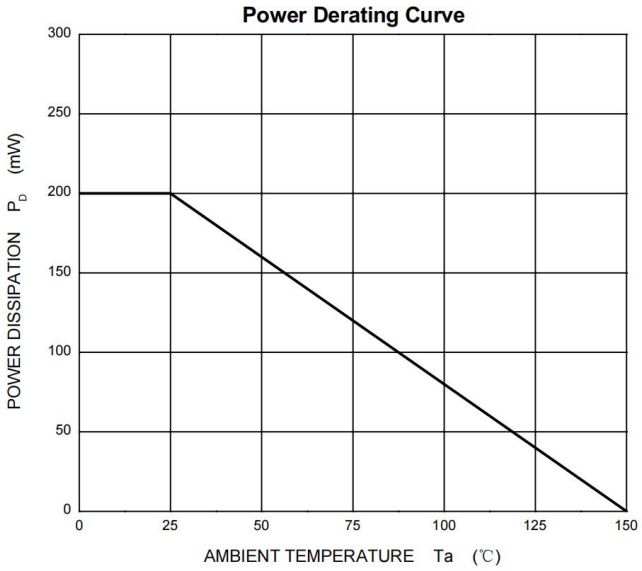
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Typical Characteristics



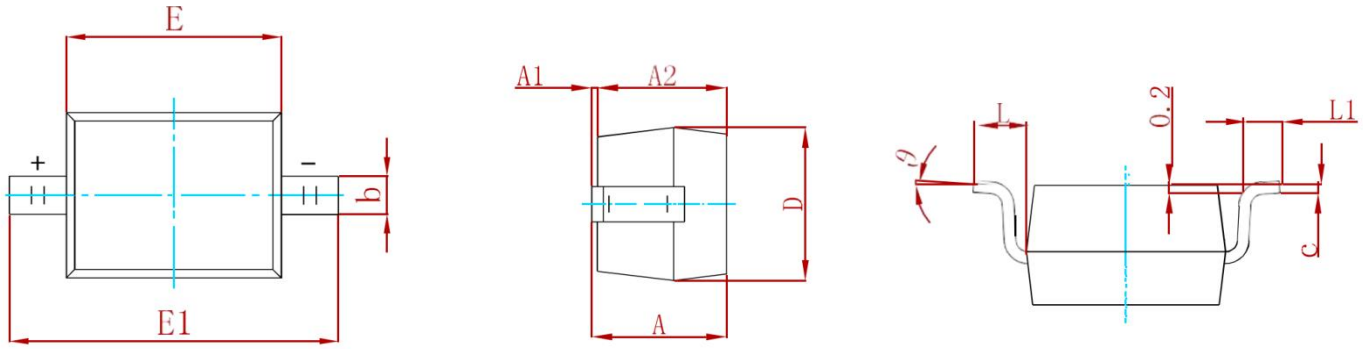






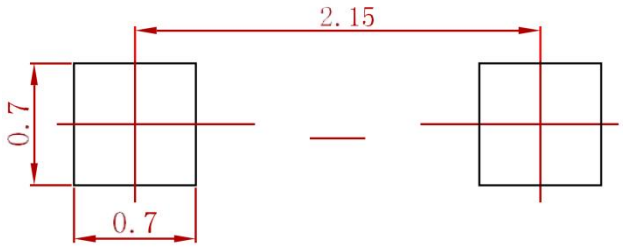
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PACKAGE MECHANICAL DATA



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min.	Max
A		1.000		0.039
A1	0.000	0.100	0.000	0.004
A2	0.800	0.900	0.031	0.035
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	2.550	2.750	0.100	0.108
L	0.475 REF		0.019 REF	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°

Suggested Pad Layout



Note:

1.Controlling dimension:in millimeters.

2.General tolerance:±0.05mm.

3.The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
1SS355-MS	SOD-323	3000

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