

### SOD-323



MARKING: A

#### 特征 Features

- Small surface mounting type
- High speed
- High reliability with high surge current handling capability

#### 机械数据 Mechanical Data

- SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Epoxy UL: 94V-0
- Mounting Position: Any

极限值和温度特性(TA = 25°C 除非另有规定)

**Maximum Ratings & Thermal Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified.)

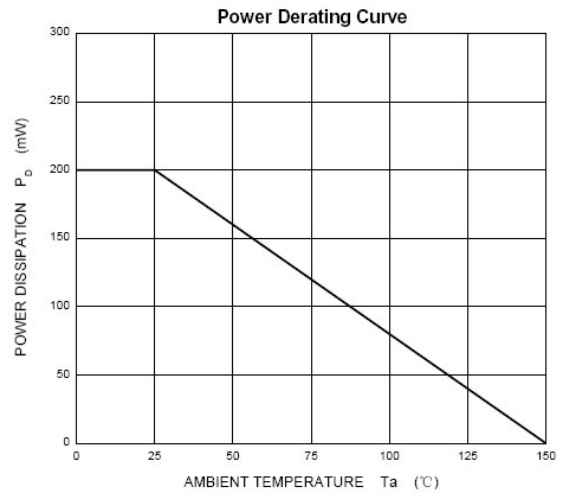
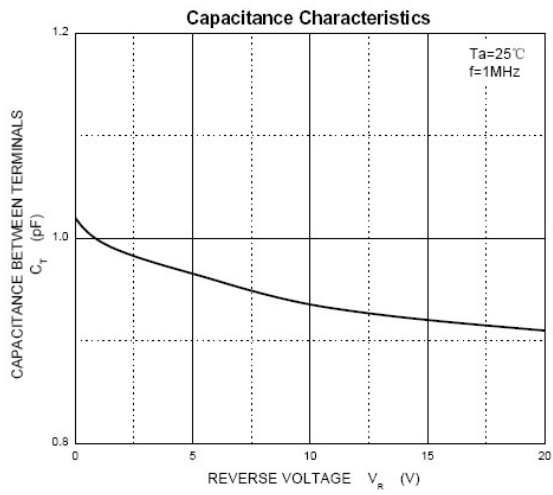
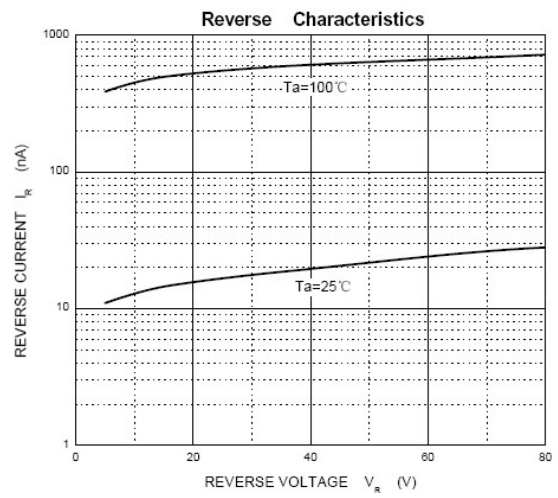
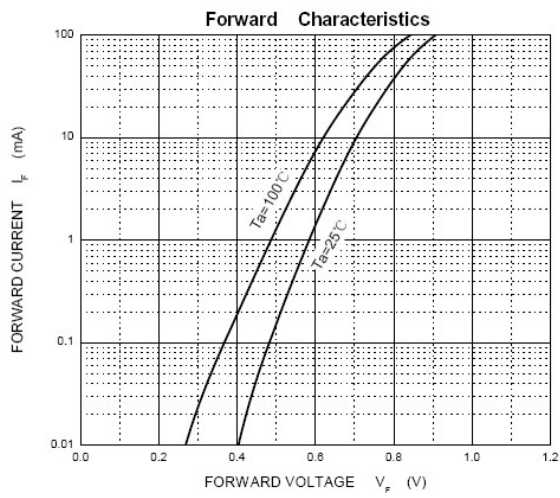
Parameters	Symbol	Value	Unit
DC Blocking Voltage	VR	80	V
Non-repetitive Peak Reverse Voltage	VRM	90	V
Power Dissipation	Pd	250	mW
Operating junction temperature	Tj	150	°C
Storage temperature range	Ts	-55-+150	°C
Average Rectified Output Current	Io	100	mA
Peak Forward Current	IFM	225	mA
Surge current (@t=1s)	Isurge	500	mA

Valid provided that electrodes are kept at ambient temperature.

电特性 **Electrical Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified).

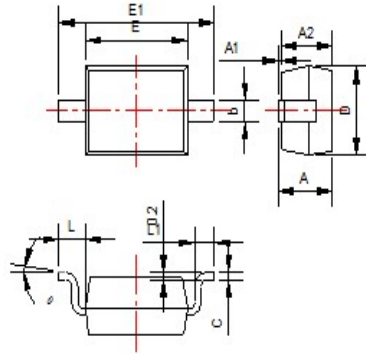
Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
IR	Reverse Leakage Current	VR=80V	---	0.1	uA
VF	Forward Voltage	IF=100mA	---	1.20	V
TRR	Reverse Recovery Time	IF= 10mA, VR=6V RL=100Ω	---	4	nS
C	Capacitance	VR=0.5V, f=1MHZ	---	3	pF

## Typical Characteristics



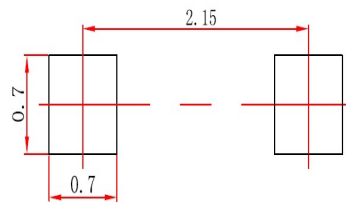
### SOD-323 PACKAGE OUTLINE

Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°

### SOD-323 Suggested Pad Layout



**Note:**

1. Controlling dimension in millimeters.
2. General tolerance:  $\pm 0.05\text{mm}$ .
3. The pad layout is for reference purposes only.