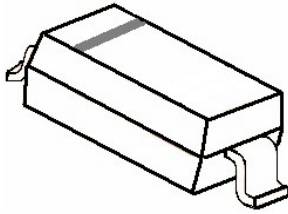


**SOD-323**

**250mW SOD-323 Fast Switching Diode**



MARKING: A

**特征 Features**

- 开关速度小; Fast Switching Device
- 最大功率耗散 250mW; Power Dissipation of 250mW
- 高稳定性和可靠性。High Stability and High Reliability
- 反向漏电流小。Low reverse leakage

**机械数据 Mechanical Data**

- 封装: SOD-323 封装 SOD-323 Small Outline Plastic Package
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 环氧树脂 UL 易燃等级 Epoxy UL: 94V-0
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性(TA = 25℃ 除非另有规定)

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

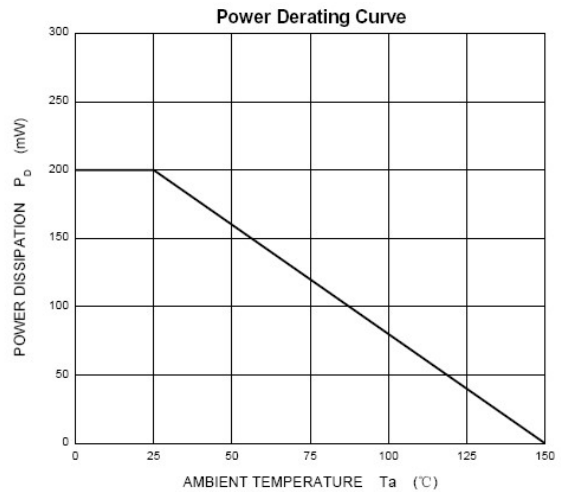
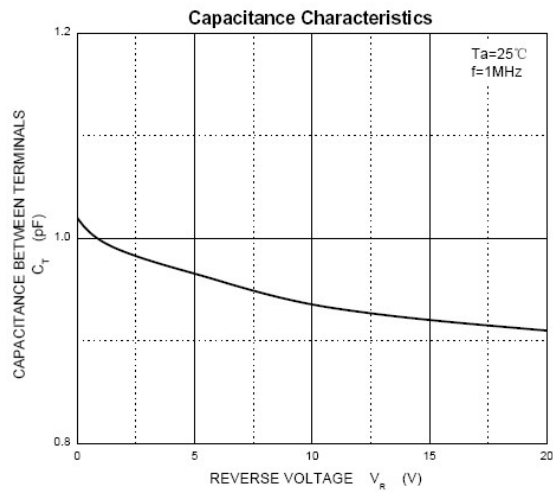
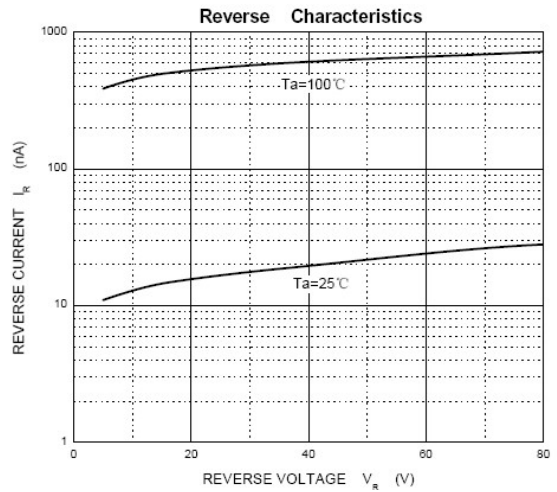
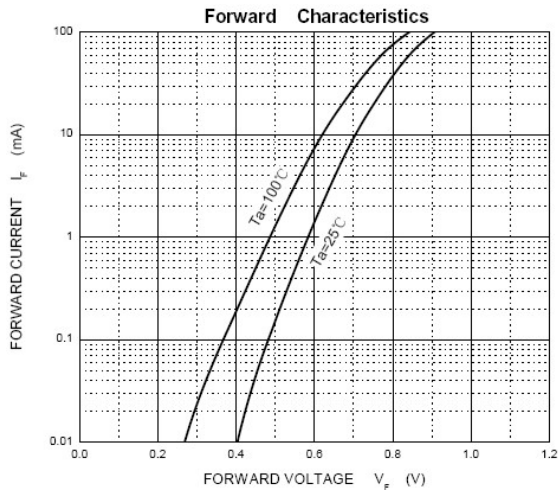
参数 Parameters	符号 Symbol	数值 Value	单位 Unit
反向电压 Reverse Voltage	VR	90	V
反向峰值电压 Peak Reverse Voltage	VRM	80	V
功率消耗 Power Dissipation	Pd	250	mW
工作结温 Operating junction temperature	Tj	150	℃
存储温度 Storage temperature range	Ts	-55-+150	℃
平均整流电流 Average Rectified Current	IO	100	mA
正向(不重复)电流 Non-repetitive Peak 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℃ ambient temperature unless otherwise specified).

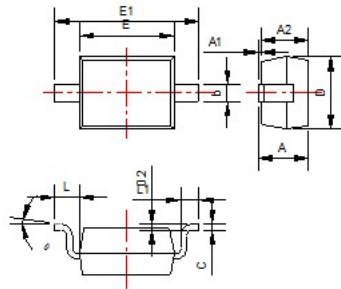
符号 Symbols	参数 Parameter	测试条件 Test Condition	界限 Limits		单位 Unit
			Min	Max	
IR	反向漏电流	VR=80V	---	0.1	uA
	Reverse Leakage Current				
VF	正向电压	IF=100mA	---	1.20	V
	Forward Voltage				
TRR	反向恢复时间	IF= 10mA, VR=6V	---	4	nS
	Reverse Recovery Time	RL=100Ω			
C	结电容	VR=0.5V, f=1MHZ	---	3	pF
	Capacitance				

**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
E1	1.600	1.800
L	0.475REF	
L1	0.250	0.400
$\theta$	0°	8°