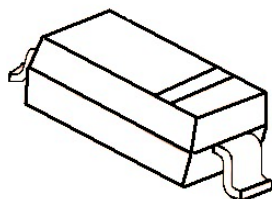


SOD-323


MARKING: T3

特征 Features

- 开关速度小于 50nS; Fast Switching Device (TRR <50nS)
- 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.)

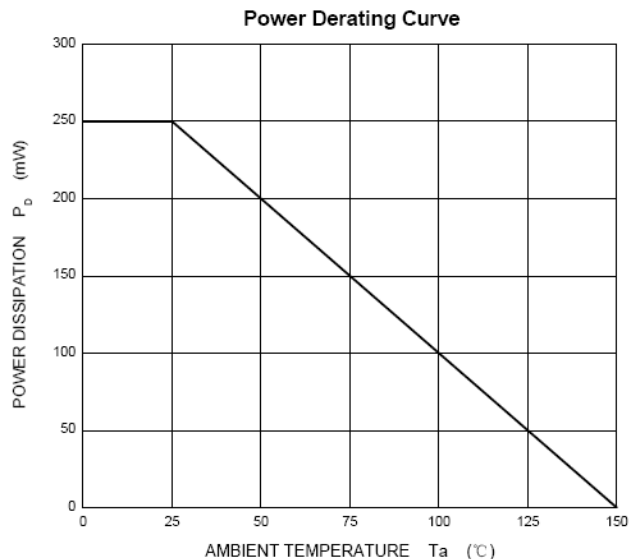
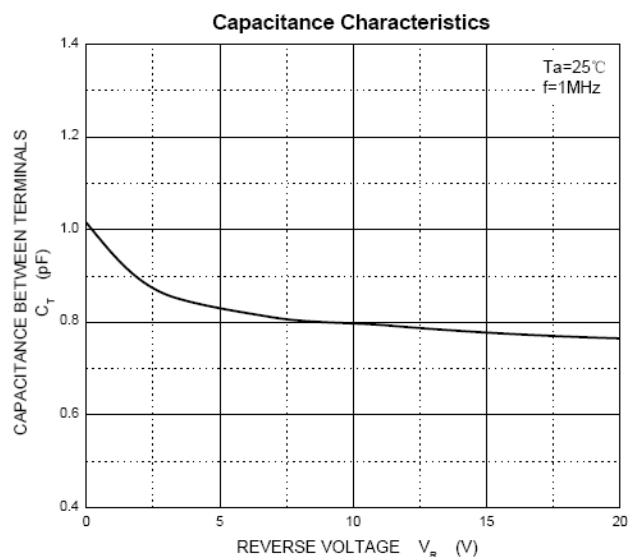
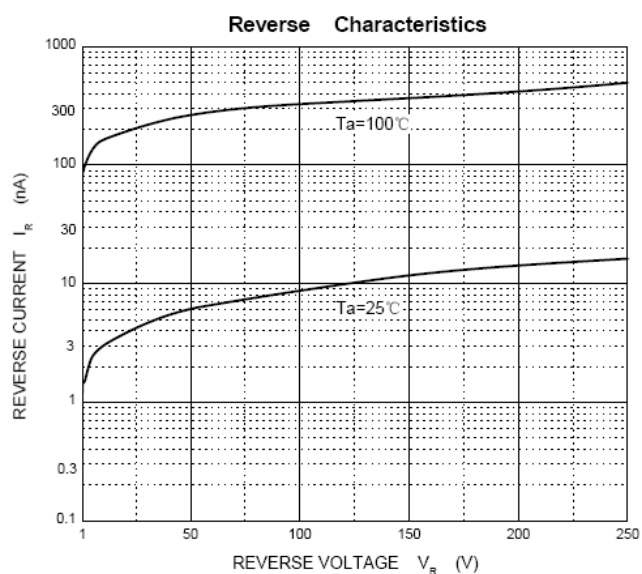
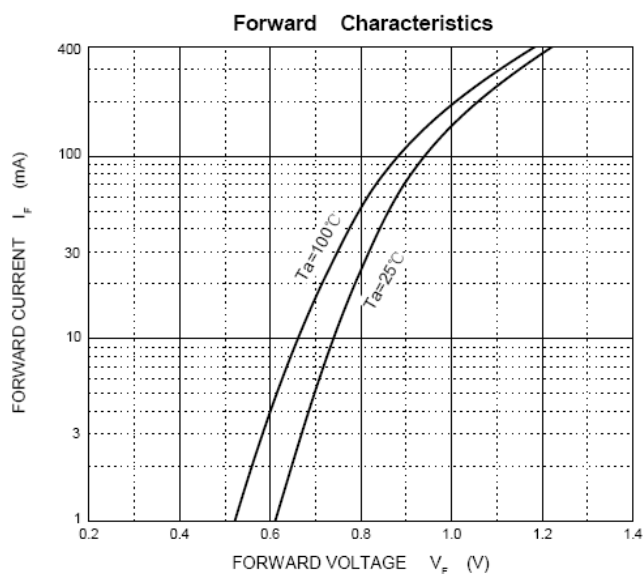
参数 Parameters	符号 Symbol	数值 Value	单位 Unit
Reverse Voltage	VR	250	V
Peak Reverse Voltage	VRM	250	V
Power Dissipation	Pd	250	mW
Operating junction temperature	Tj	150	℃
Storage temperature range	Ts	-65-+150	℃
Thermal Resistance Junction to Ambient Air	RθJA	500	℃/W
Working Inverse Voltage	WIV	75	V
Average Rectified Current	IO	200	mA
Non-repetitive Peak Forward Current	IFM	400	mA
Peak Forward Surge Current@tp=1ms; TA=25℃	IFSM	1.7	A

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	
VRB	反向击穿电压 Reverse Voltage	IB=100uA	250	---	V
IR	反向漏电流 Reverse Leakage Current	VR=200V	---	0.1	uA
VF	正向电压	IF=100mA	---	1.00	V
	Forward Voltage	IF=200mA	---	1.25	
TRR	反向恢复时间	IF= 30mA, IR=30mA	---	50	nS
	Reverse Recovery Time	RL=100Ω			
		IRR=3mA			
C	结电容	VR=0V, f=1MHZ	---	5	pF
	Capacitance				

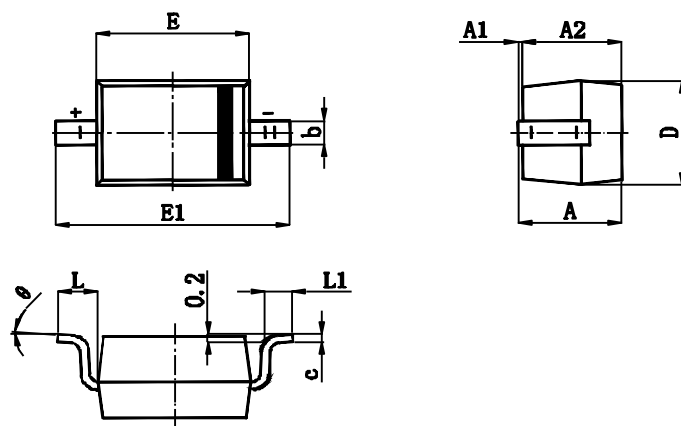
Typical Characteristics



SOD-323 PACKAGE OUTLINE

Plastic surface mounted package

SOD-323



Symbol	Min.(mm)	Max.(mm)
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°

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