

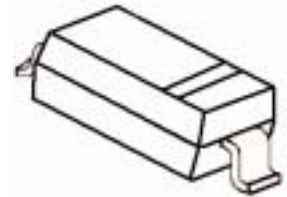
SOD-323 贴片塑封二极管
200mW SOD-323 Fast Switching Diode

SOD-323
特征 Features

- 开关速度小于 4.0nS; Fast Switching Device (TRR <4.0 nS)
- 最大功率耗散 200mW; Power Dissipation of 200mW
- 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
- 安装位置: 任意 Mounting Position: Any



MARKING: T4

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.)

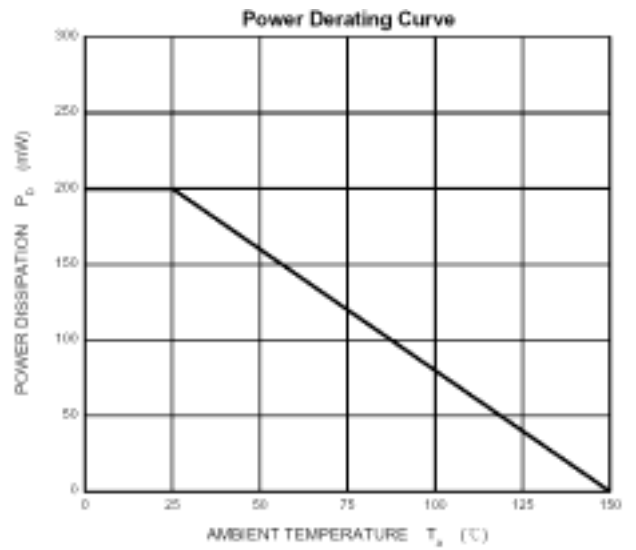
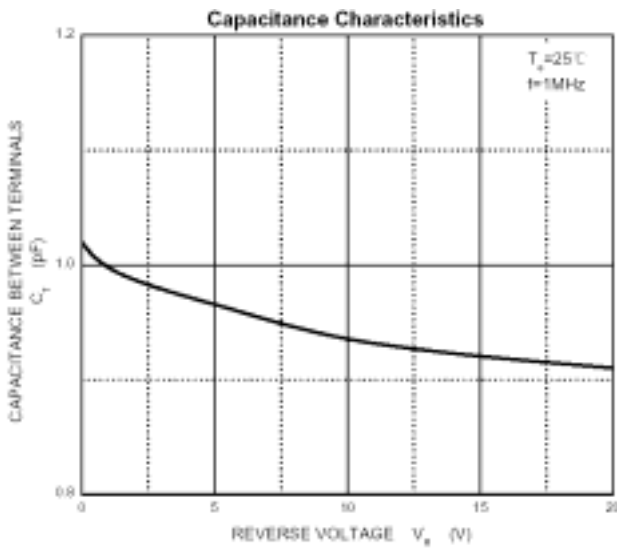
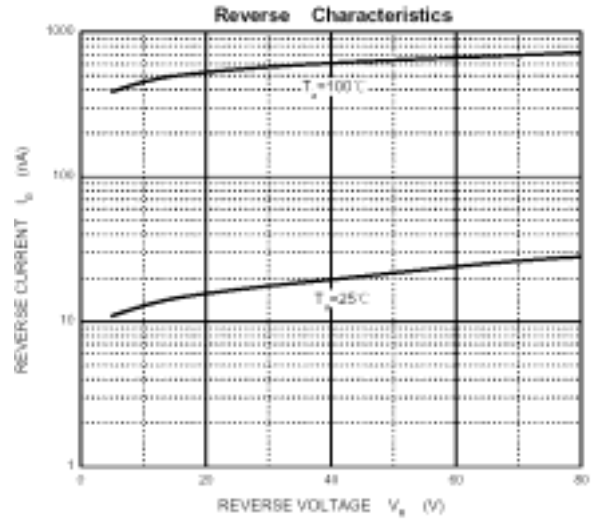
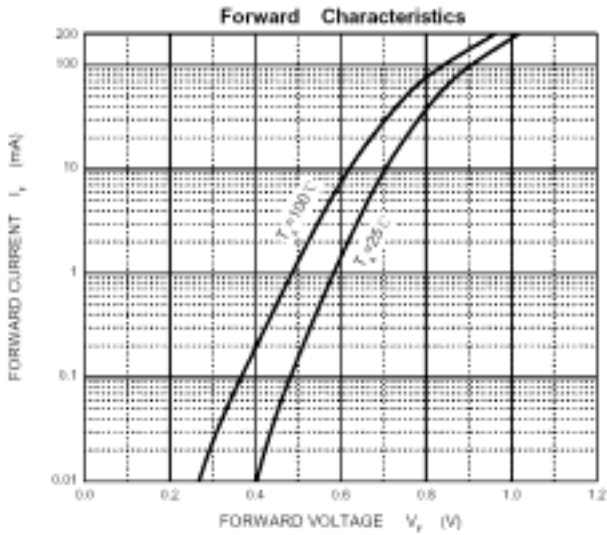
参数 Parameters	符号 Symbol	数值 Value	单位 Unit
反向电压 Reverse Voltage	V _R	71	V
反向峰值电压 Peak Reverse Voltage	V _{RM}	100	V
功率消耗 Power Dissipation	P _d	200	mW
工作结温 Operating junction temperature	T _j	150	
存储温度 Storage temperature range	T _s	-65+150	
反向工作电压 Working Inverse Voltage	W _{IV}	75	V
平均整流电流 Average Rectified Current	I _o	150	mA
正向(不重复)电流 Non-repetitive Peak Forward Current	I _{FM}	300	mA
正向(不重复)浪涌电流 Peak Forward Surge Current	I _{FSM}	2.0	A

@tp=1us; TA=25

Valid provided that electrodes are kept at ambient temperature.

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

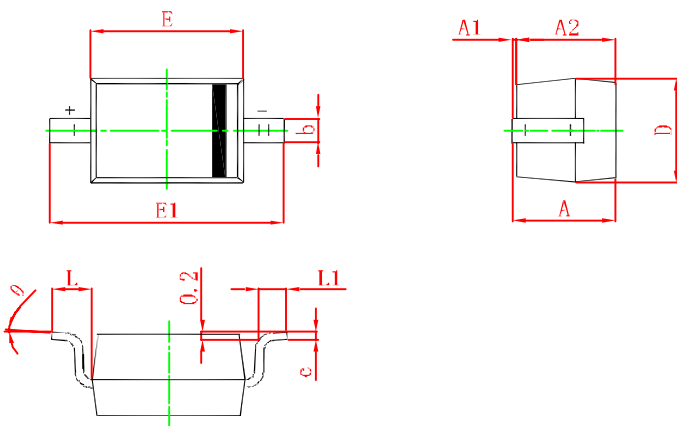
符号 Symbols	参数 Parameter	测试条件 Test Condition	界限 Limits		单位 Unit
			Min	Max	
BV	反向击穿电压 Breakdown Voltage	IR=100uA	100		V
		IR=5uA	75		
IR	反向漏电流 Reverse Leakage Current	VR=20V	---	25	nA
		VR=75	---	1	uA
VF	正向电压 Forward Voltage	IF=1.0mA	---	0.715	V
		IF=10mA	---	0.855	
		IF=50mA	---	1.00	
		IF=150mA	---	1.25	
TRR	反向恢复时间 Reverse Recovery Time	IF= IR=10mA RL=100Ω IRR=0.1 X IR	---	4	nS
CT	结电容 Capacitance	VR=0V, f=1MHZ	---	2	pF



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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