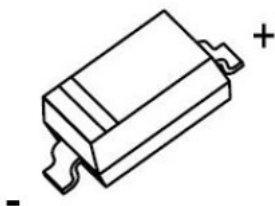


SOD-123

MARKING: T3
特征 Features

- Low Reverse Current
- Surface Mount package Ideally Suited for Automatic Insertion
- Fast Switching Speed
- For General Purpose Switching Applications

机械数据 Mechanical Data

- SOD-123 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℃ 除非另有规定)

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

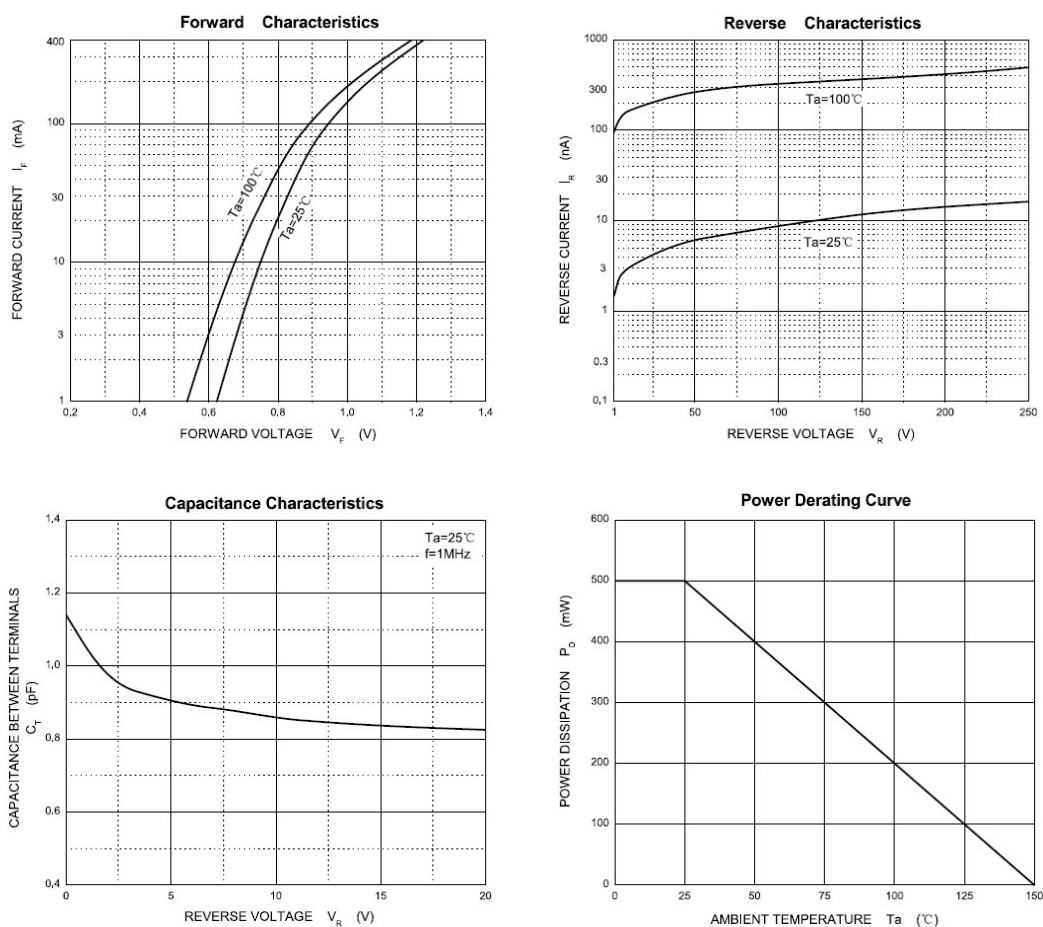
Parameters	Symbol	Value	Unit
Non- Repetitive peak Reverse Voltage	VRM	250	V
Peak Repetitive Peak Reverse Voltage	VRRM	200	V
Working Peak Reverse Voltage	VRWM		
DC Blocking Voltage			
RMS Reverse Voltage	VR(RMS)	141	V
Power Dissipation	Pd	500	mW
Operating junction temperature	Tj	150	℃
Storage temperature range	Ts	-65-+150	℃
Thermal Resistance from Junction to Ambient	RθJA	250	℃/W
Average Rectified Output Current	IO	200	mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	IFSM	2	A

Valid provided that electrodes are kept at ambient temperature.

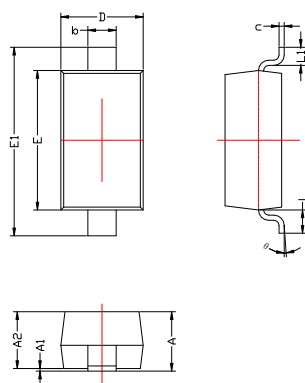
电特性 Electrical Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified).

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
VRB	Reverse Voltage	IB=100uA	250	---	V
IR	Reverse Leakage Current	VR=200V	---	0.1	uA
VF	Forward Voltage	IF=100mA	---	1.00	V
		IF=200mA	---	1.25	
TRR	Reverse Recovery Time	IF= 30mA, IR=30mA RL=100Ω IRR=0.1*IR	---	50	nS
C	Capacitance	VR=0V, f=1MHZ	---	5	pF

Typical Characteristics



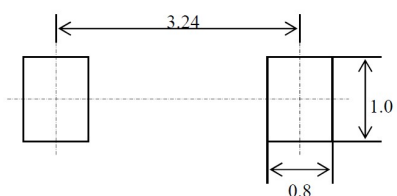
SOD-123 PACKAGE OUTLINE Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A	1.050	1.250
A1	0.000	0.100
A2	1.050	1.150
b	0.450	0.650
c	0.080	0.150
D	1.500	1.700
E	2.600	2.800
E1	3.550	3.850
L	0.500REF	
L1	0.250	0.450
θ	0°	8°

焊盘设计参考Precautions: PCB Design

Recommended land dimensions for SOD-123 diode. Electrode patterns for PCBs



技术要求:
 1, 塑封体尺寸: 2.70 X 1.60
 2, 未注公差为: ± 0.05
 3, 所有单位: mm

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