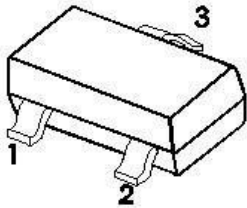


SOT-23 贴片塑封开关二极管

SOT-23 Plastic-Encapsulate Switching Diode

SOT-23



特征 Features

- 大电流承受能力。High Current Capability
- 正向压降低。Low Forward Voltage Drop
- 开关速度快。Extremely Fast Switching Speed

机械数据 Mechanical Data

- 封装: SOT-23 封装 SOT-23 Small Outline Plastic Package
- 环氧树脂 UL 易燃等级 Epoxy UL: 94V-0
- 安装位置: 任意 Mounting Position: Any

BAS40	B AS40-04	BAS40-05	BAS40-06
MARKING: 73	MARKING: 74	MARKING: 75	MARKING: 76

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.)

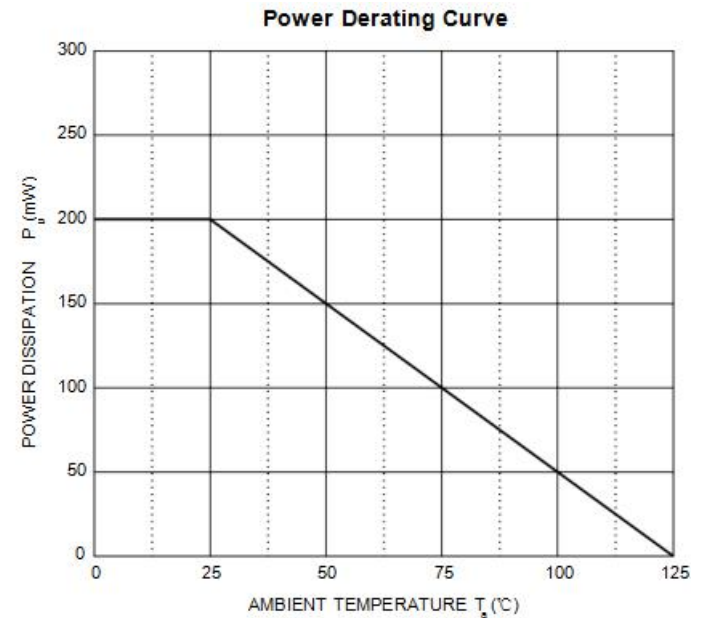
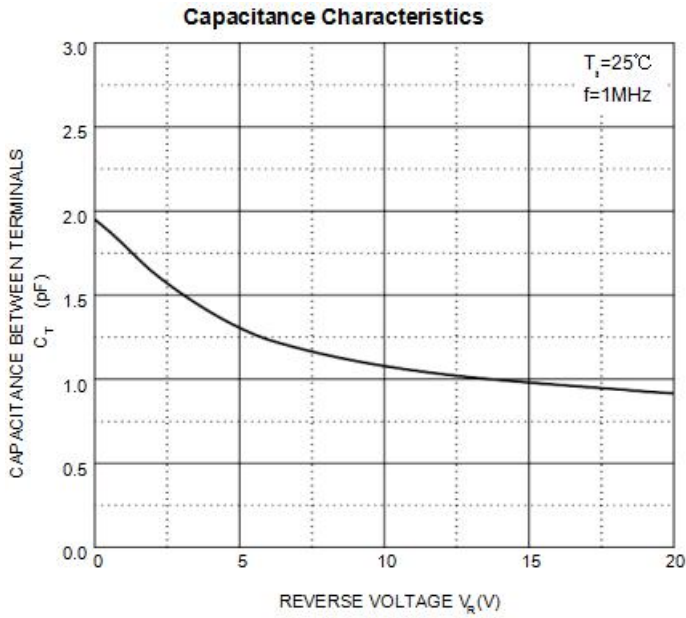
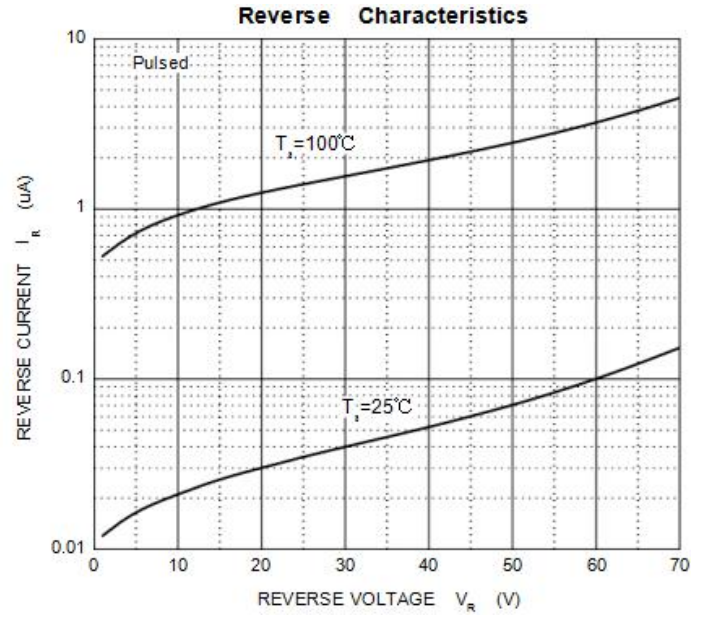
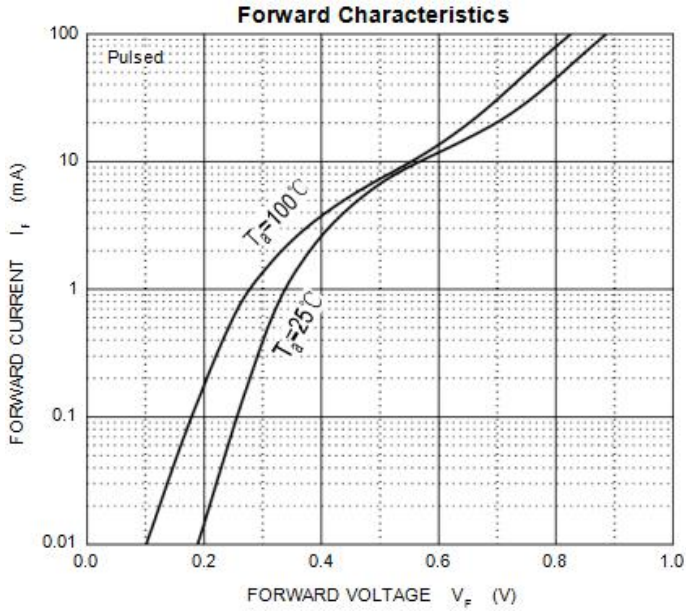
参数 Parameters	符号 Symbol	数值 Value	单位 Unit
反向电压 Reverse Voltage	VR	70	V
反向峰值电压 Peak Repetitive Reverse Voltage	VRRM	70	V
功率消耗 Power Dissipation	Pd	200	mW
典型热阻 Typical thermal resistance	RθJA	500	℃/W
结温 Junction Temperature	Tj	125	℃
存储温度 Storage temperature range	TSTG	-55-+150	℃
最大正向平均整流电流 Maximum average forward rectified current	IFM	70	mA
8.3ms峰值正向不重复浪涌电流 Non-Repetitive Peak Forward Surge Current @ t = 8.3ms	IFSM	100	mA

电特性 (TA = 25℃ 除非另有规定)

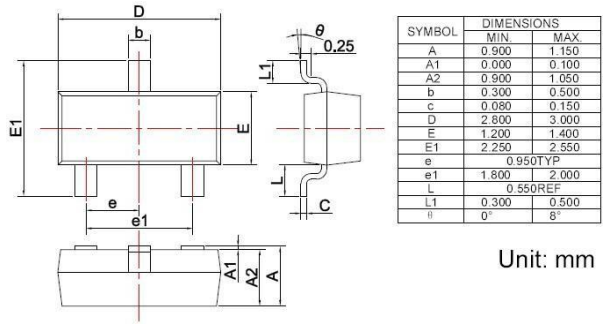
Electrical Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified.)

符号 Symbols	参数 Parameter	测试条件 Test Condition	界限 Limits		单位 Unit
			Min	Max	
V(BR)	反向电压 Reverse Voltage	IR=10uA	70		V
IR	反向漏电电流 Reverse Leakage Current	VR=50V	---	100	nA
VF	正向电压 Forward Voltage	IF=1mA	---	0.41	V
		IF=15mA	---	1.0	
TRR	反向恢复时间 Reverse Recovery Time	IF= IR=10mA	---	5	nS
		RL=100Ω			
		IRR=0.1 X IR			
CT	结电容 Capacitance	VR=0V, f=1MHZ	--	2	pF

Typical Characteristics



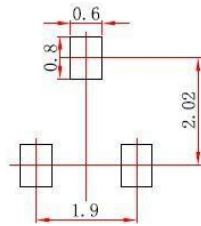
SOT-23 PACKAGE OUTLINE Plastic surface mounted package



焊盘设计参考

Precautions: PCB Design

Recommended land dimensions for SOT-23 diode. Electrode patterns for PCBs



- Note:
1. Controlling dimension: In millimeters.
 2. General tolerance: ±0.05mm.
 3. The pad layout is for reference purposes only.