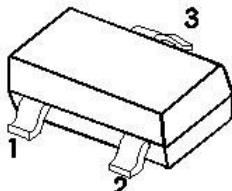


产品特性总结 Product Summary	
VR@100uA	>70V
IR@70V	<1uA
trr	<9nS

印字Marking: A7



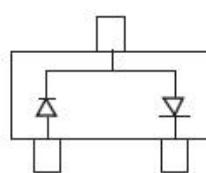
脚位定义 Pin Definition

**特征 Features**

- 极低的漏电流 Very Low Leakage Current
- 低反向恢复时间 Low Reverse Recovery Time
- 无卤封装 Halogen-free Package
- 表贴型封装 Surface Mount Package
- 环氧树脂UL易燃等级 Epoxy UL: 94V-0

**应用 Applications**

- 低漏电应用 Low Leakage Current Applications
- 高速开关应用 High Speed Switch Applications

**等效电路 Equivalent circuit**

极限值和温度特性(TA = 25°C 除非另有规定)

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

参数 Parameters	符号 Symbol	数值 Value	单位 Unit
尖峰反向电压 Peak Reverse Voltage	VRM	70	V
反向电压 DC Reverse Voltage	VR	70	V
尖峰反向电流 Peak Reverse Current	IFM	200	mA
平均整流电流 Average Rectified Current	IO	100	mA
直流正向电流 DC Forward Current	IF	100	mA
工作结温 Junction Temperature	Tj	150	°C
储存温度范围 Storage Temperature Range	TSTG	-55 to +150	°C
结环热阻 Thermal Resistance Junction to Ambient Air (Note 1)	RθJA	670	°C/W

电特性 (TA = 25°C 除非另有规定)

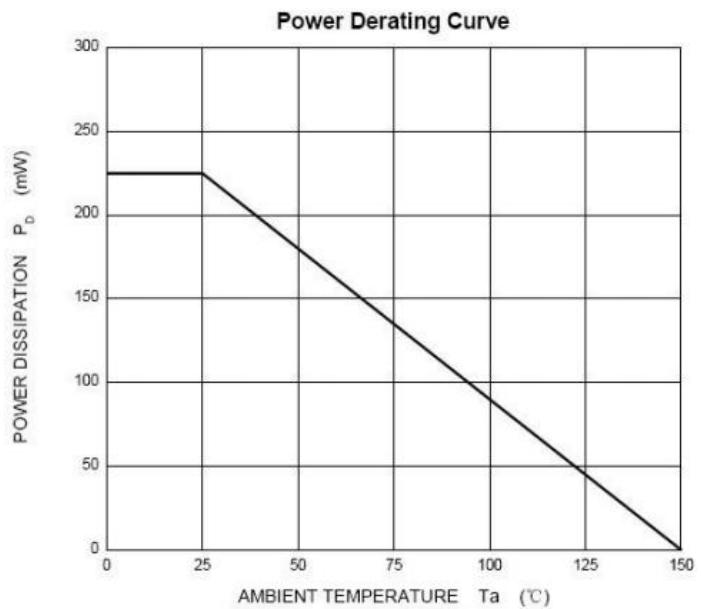
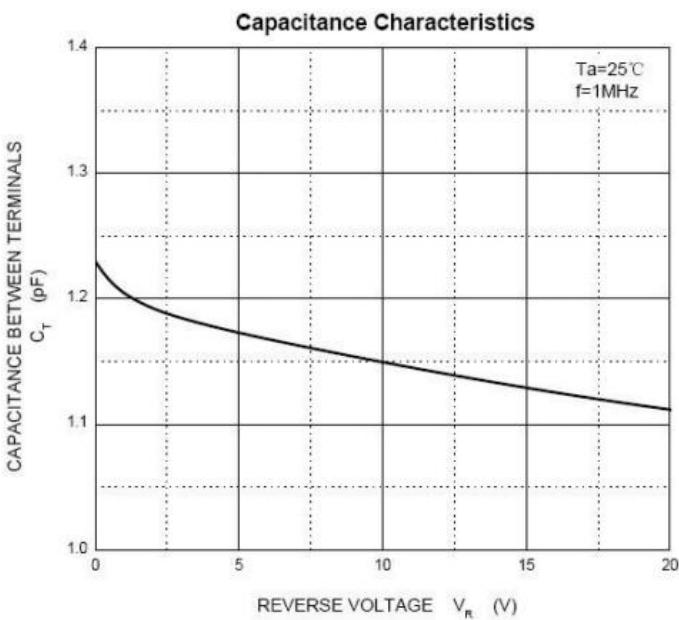
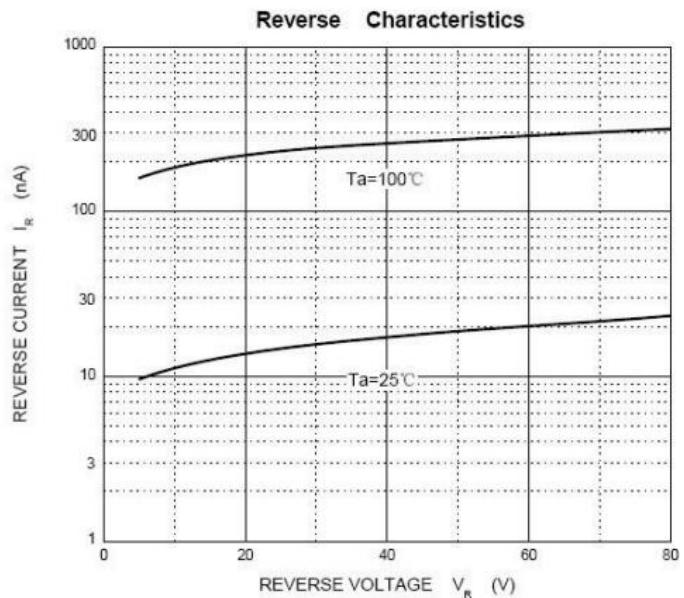
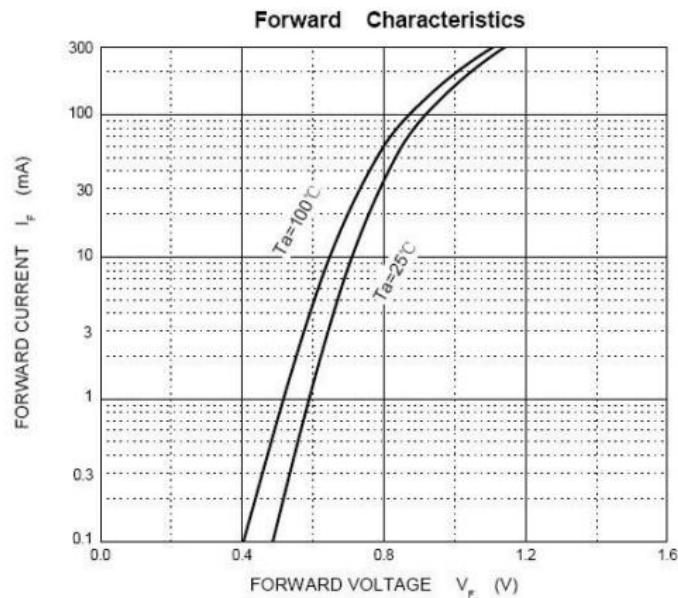
**Electrical Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified).

参数 Parameters	符号 Symbol	测试条件 Test Condition	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
反向电压 Reverse Breakdown Voltage (Note 3)	V(BR)R	IR = 100uA	70			V
正向电压 Forward Voltage	VF	IF = 1.0mA			0.715	V
		IF = 10mA			0.855	
		IF = 50mA			1.1	
		IF = 100mA			1.3	
反向漏电流 Leakage Current (Note 3)	IR	VR = 70V			1.0	uA
总电容 Total Capacitance	CT	VR = 0, f = 1.0MHz			4	pF
反向恢复时间 Reverse Recovery Time	trr	IF = 10mA, VR = 1V, RL = 100Ω			9	nS
正向恢复电压 Forward Recovery Voltage	Vfr	IF = 100mA			1.75	V

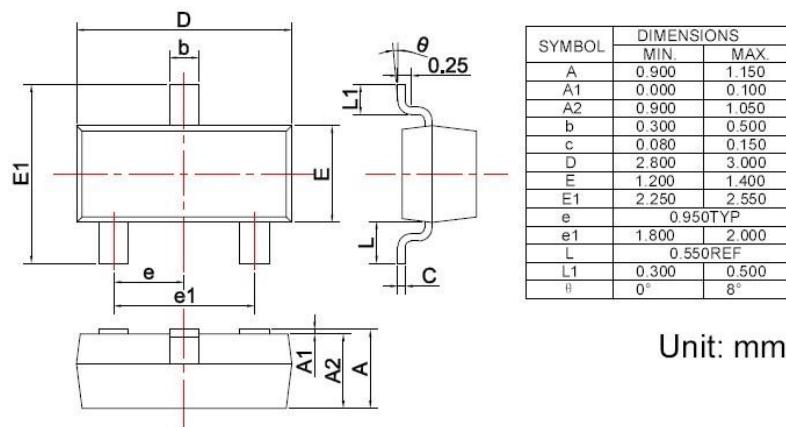
\*Notes :

1. Device mounted on FR-4 PC board with recommended pad layout.
2. No purposefully added lead.
3. Short duration test pulse used to minimize self-heating effec..

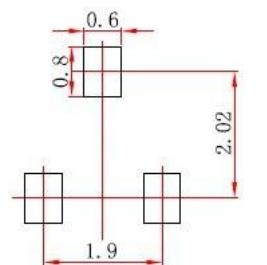
## 典型特性曲线 Typical characteristics



## 封装外形图 SOT-23 Package Outline Dimensions



## 焊盘设计参考Precautions: PCB Design



## Note:

1. Controlling dimension: In millimeters.
2. General tolerance:  $\pm 0.05\text{mm}$ .
3. The pad layout is for reference purposes only.