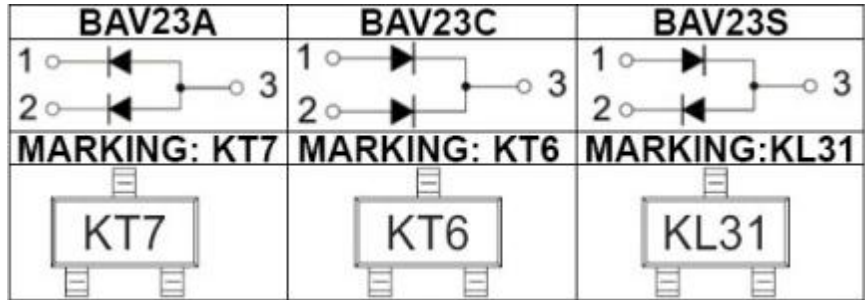
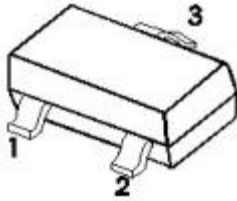


**Features**

- 开关速度小于 50nS; Fast Switching Device (TRR <50 nS).
- 最大功率耗散 350mW; Power Dissipation of 350mW.
- 高稳定性和可靠性。High Stability and High Reliability.
- 反向漏电流小。Low reverse leakage.
- 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



**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	250	V
反向峰值电压 Peak Repetitive Reverse Voltage	VRRM	175	V
功率消耗 Power Dissipation	Pd	350	mW
平均整流输出电流 Average Rectified Output Current	Io	225	mA
正向(不重复)浪涌电流 Non-Repetitive Peak Forward Surge Current @t=8.3ms; TA=25℃	IFSM	1.7	A
工作结温 Operating junction temperature	Tj	150	℃
存储温度 Storage temperature range	Ts	-55-+150	℃
热阻抗 Thermal Resistance from Junction to Ambient	R0JA	357	℃/W

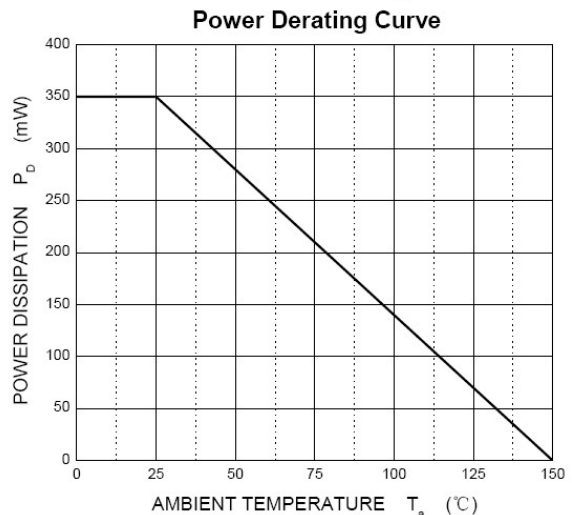
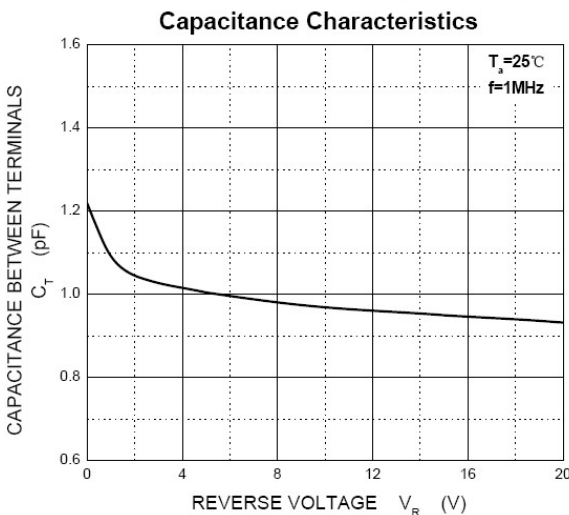
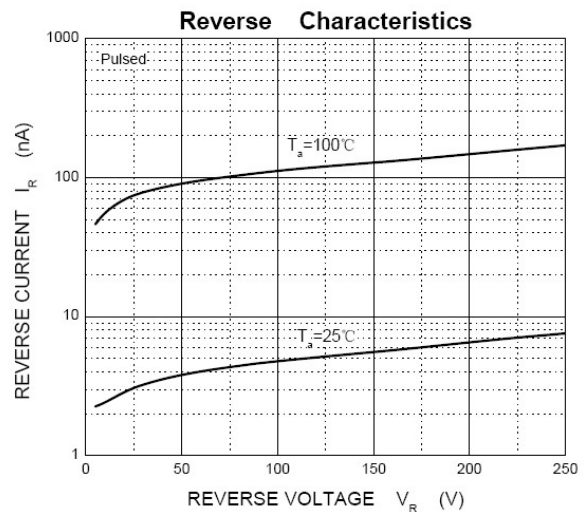
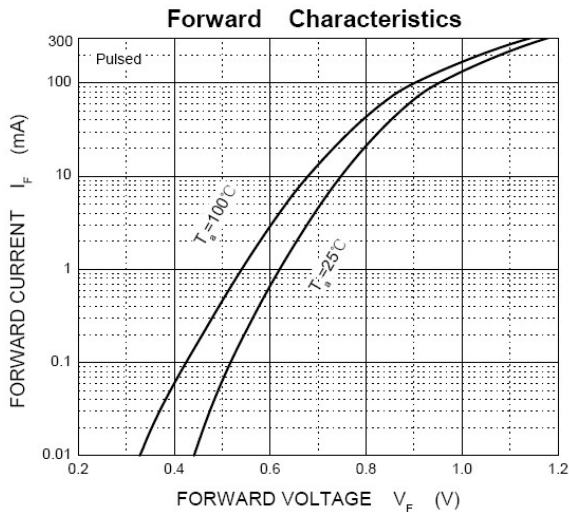
Valid provided that electrodes are kept at ambient temperature.



**电特性 Electrical Characteristics (Ratings at 25°C 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	$I_R=100\mu A$	250		V
$I_R$	反向漏电流 Reverse Leakage Current	$V_R=200V$	---	0.1	$\mu A$
VF	正向电压 Forward Voltage	$I_F=100mA$	---	1.00	V
		$I_F=200mA$	---	1.25	
TRR	反向恢复时间 Reverse Recovery Time	$I_F=I_R=30mA$	---	50	nS
		$R_L=100\Omega$			
		$I_{RR}=0.1 \times I_R$			
CT	结电容 Capacitance	$V_R=0V, f=1MHz$	---	5	pF

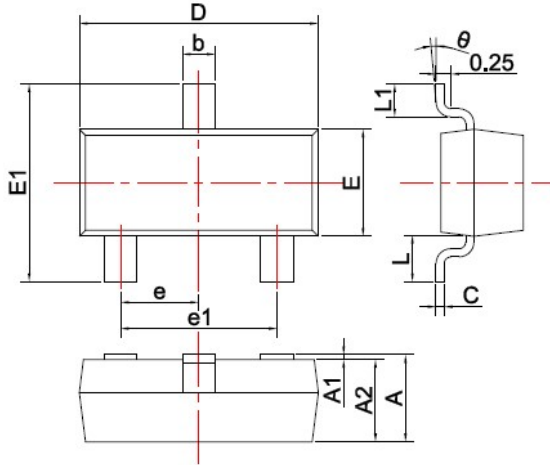
**Typical Characteristics**





**SOT-23 PACKAGE OUTLINE**

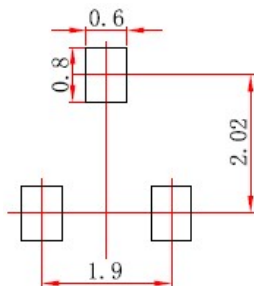
Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A	0.900	1.150
A1	0.000	0.100
A2	0.900	1.050
b	0.300	0.500
c	0.080	0.150
D	2.800	3.000
E	1.200	1.400
E1	2.250	2.550
e	0.950TYP	
e1	1.800	2.000
L	0.550REF	
L1	0.300	0.500
θ	0°	8°

Unit: mm

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.