

SOT-23

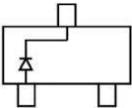
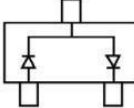
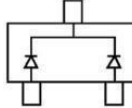
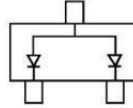
SOT-23 贴片塑封肖特基二极管 SOT-23 Plastic-Encapsulate Schottky Barrier Diode

特征 Features

- 开关速度快。Extremely Fast Switching Speed
- 极低的反向电容。Very Low Reverse Capacitance

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

BAS70	BAS70-04	BAS70-05	BAS70-06
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.)

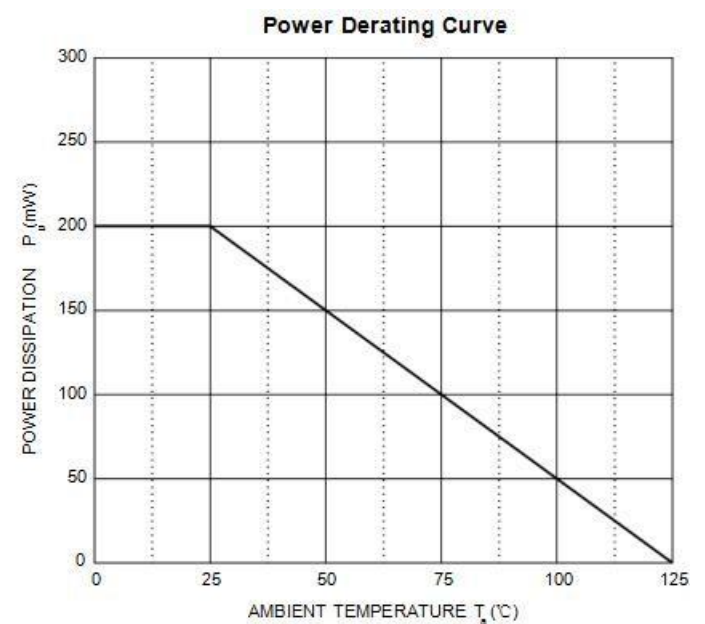
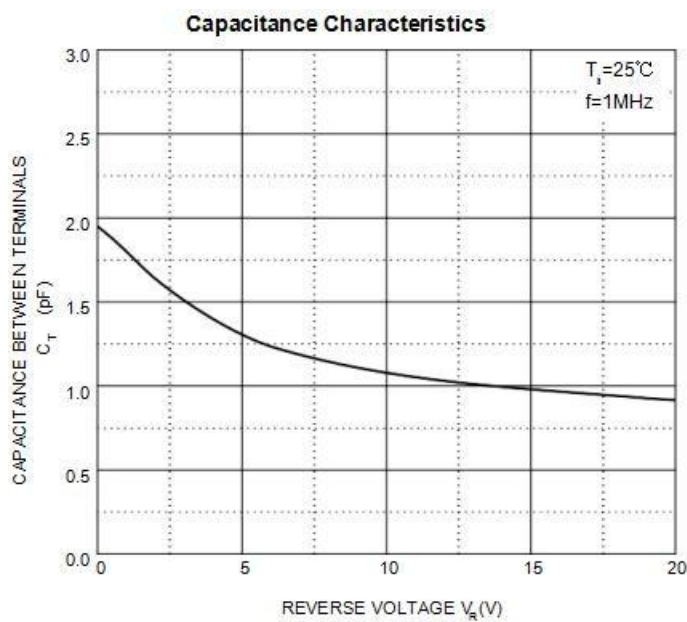
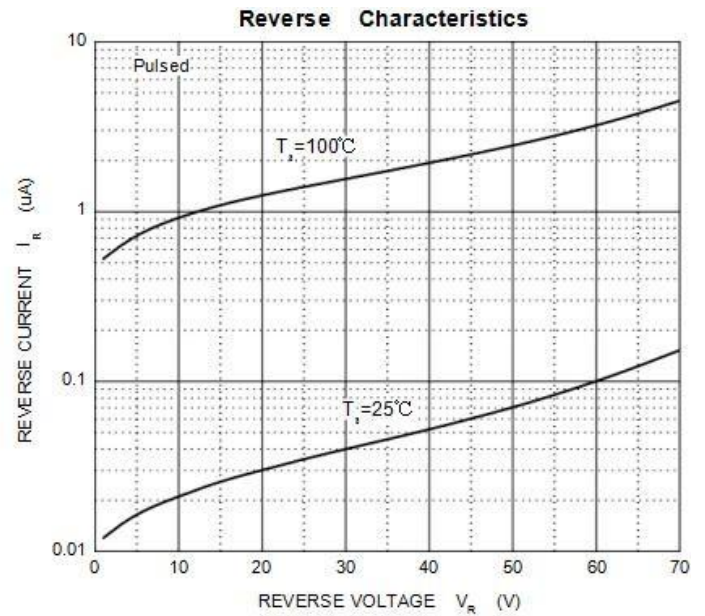
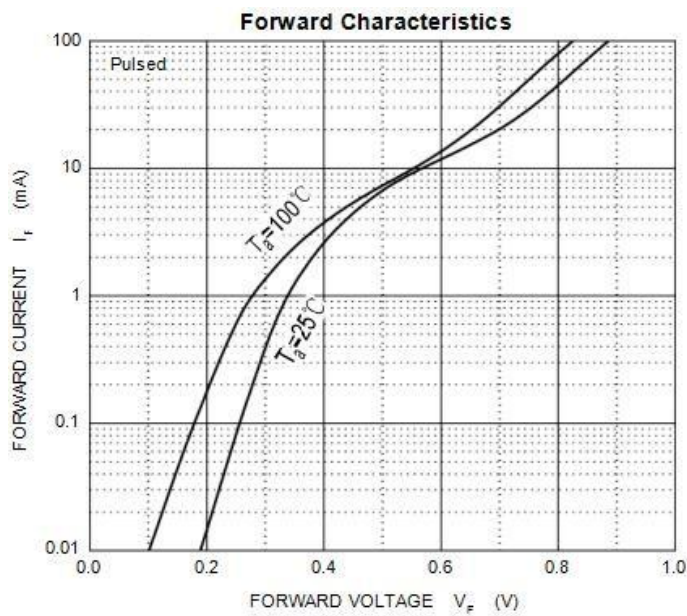
参数 Parameters	符号 Symbol	数值 Value	单位 Unit
反向电压 Reverse Voltage	VR	70	V
反向峰值电压 Peak Repetitive Reverse Voltage	VRRM	70	V
功率消耗 Power Dissipation	Pd	200	mW
典型热阻 Typical thermal resistance	RθJA	500	℃/W
结温 Junction Temperature	Tj	125	℃
存储温度 Storage temperature range	TSTG	-55-+150	℃
最大正向平均整流电流 Maximum average 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)

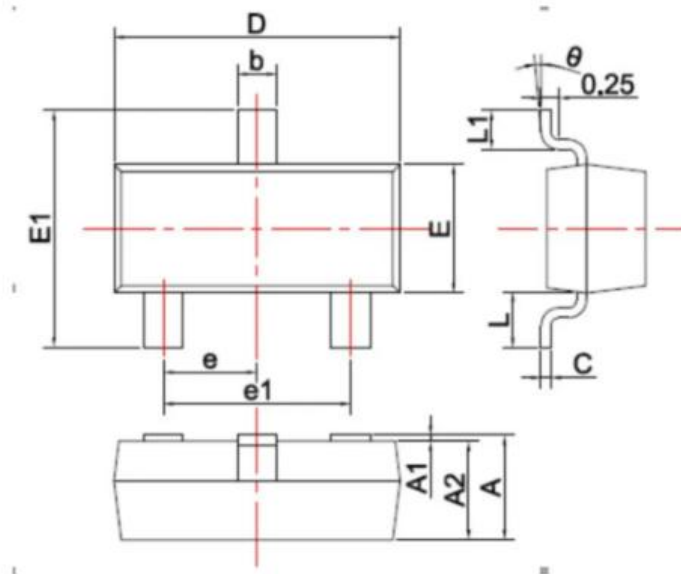
Electrical Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified.)

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



Symbol	MIN (mm)	MAX (mm)
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	0.550 REF	
L1	0.30	0.500
θ	0°	8°