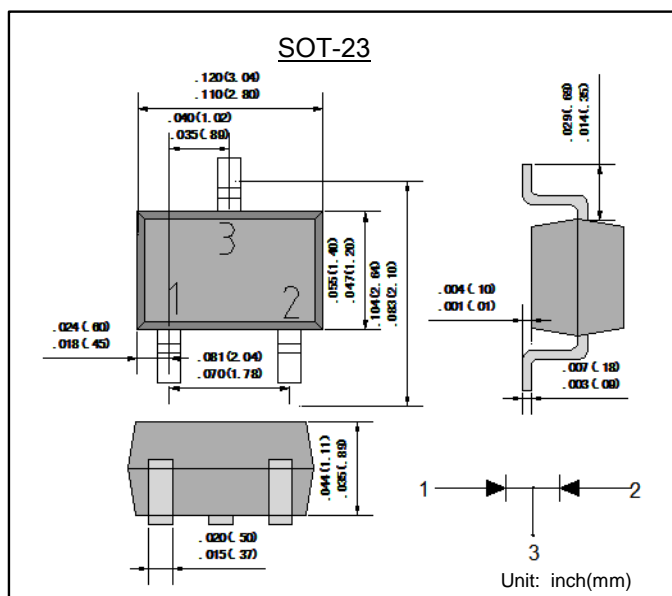




贴片开关二极管
反向电压 70 V
正向电流 0.15 A

Surface Mount Switching Diode
Reverse Voltage 70 V
Forward Current 0.15 A



特征 Features

- 反向漏电流小。 Low reverse leakage
- 开关速度快。 Fast switching speed
- 最大功率耗散300mW。 Maximum power dissipation of 300 mW
- 高稳定性和可靠性。 High stability and high reliability
- 引线镀层符合RoHS标准。
Lead plating according with RoHS standard

机械数据 Mechanical Data

- 封装: SOT-23 封装 Case:SOT-23 case
- 安装位置: 任意 Mounting Position: Any

最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings & Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	数值	单位
		Value	Unit
不重复峰值反向电压 Non Repetitive Peak Reverse Voltage	V_{RM}	100	V
反向电压 Reverse Voltage	V_{RRM}	70	V
最大正向平均电流 Maximum Average Forward Current	$I_F (AV)$	150	mA
正向 (不重复) 浪涌电流 Non-repetitive Peak Forward Surge Current at 1mS	I_{FSM}	4.5	A
正向电压 Forward Voltage	V_{FM}	1.0	V
反向电流 Reverse Current	I_{RM}	5	uA
结电容 Junction Capacitance	C_J	1.5	pF
反向恢复时间 Reverse Recovery Time	T_{RR}	6.0	nS
功率消耗 Power Dissipation	P_D	300	mW
典型热阻 Type Thermal Resistance	$R_{\theta JA}$	417	°C/W
工作结温和存储温度 Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 --- +150	°C

备注 Note:

1) C_J at $V_R=0$, $f=1.0$ MHZ;

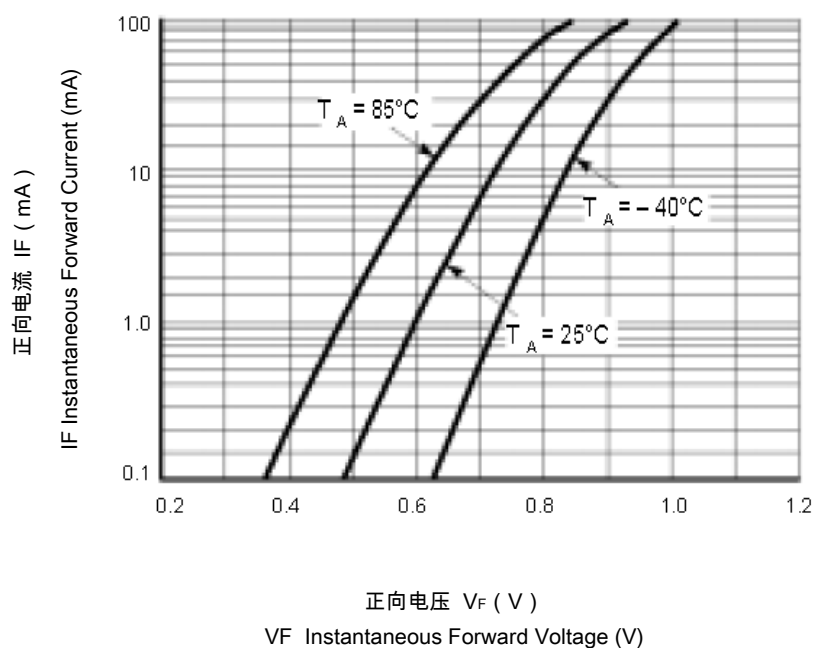
2) $I_F=10$ mA to $I_R=1.0$ mA, $V_R=6.0$ V, $R_L=100\Omega$;



特性曲线 Characteristic Curves

正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC

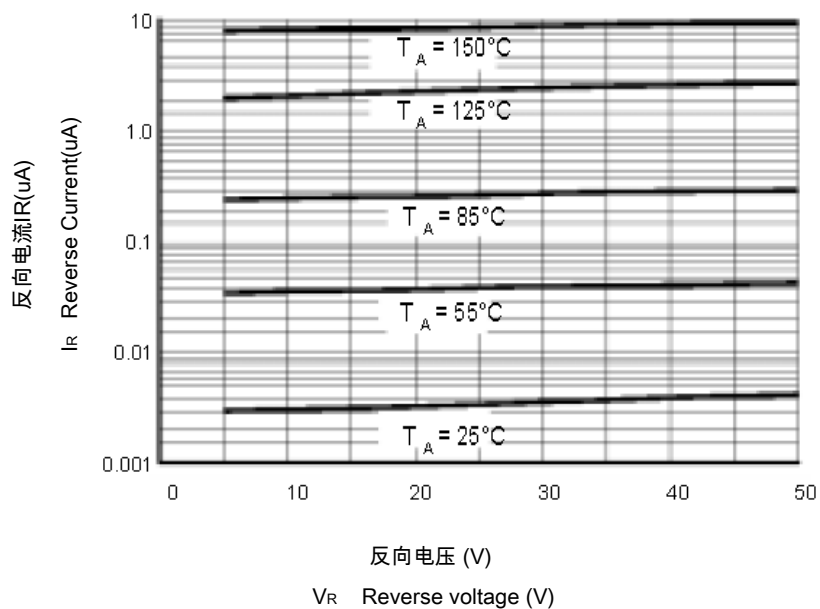


正向电压 V_F (V)

V_F Instantaneous Forward Voltage (V)

反向特性曲线 (典型值)

Typical Reverse Characteristics



反向电压 (V)

V_R Reverse voltage (V)