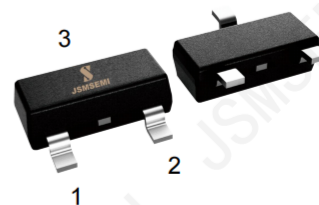


**特点/Features :**

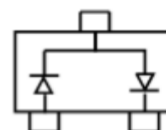
速度快 ;



**用途/Applications :**

高速开关电路。

**SOT-23**



**极限参数/Absolute maximum ratings(Ta=25°C)**

参数/Parameter	符号/ Symbol	数值/Value	单位/Unit
反向电压/Reverse Voltage	$V_R$	70	V
正向电流/Forward Current	$I_F$	200	mA
正向瞬间峰值电流/Peak Forward Surge Current	$I_{FM(surge)}$	500	mA
功率/ Power Dissipation	$P_D$	0.225	W
热阻/Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	556	°C/W
结温/Junction Temperature	$T_j$	150	°C
储存温度/Storage Temperature	$T_{stg}$	-55 ~ 150	°C

**电性能参数/Electrical characteristics (Ta=25°C)**

参数/Parameter	符号	测试条件	最小值	最大值	单位
反向击穿电压/Reverse Breakdown Voltage	$V_R$	$I_R=100\mu A$	70		V
正向电压/Forward Voltage	$V_{F1}$	$I_F=1mA$		0.715	V
	$V_{F2}$	$I_F=10mA$		0.855	V
	$V_{F3}$	$I_F=50mA$		1	$\mu A$
	$V_{F4}$	$I_F=150mA$		1.25	$\mu A$
反向漏电流/Reverse Current	$I_R$	$V_R=70V$		2.5	$\mu A$
端电容/Capacitance Between Terminals	$C_T$	$V_R=0, f=1MHz$		1.5	pF
反向恢复时间/Reverse Recovery Time	$t_{rr}$	$I_F=I_R=10mA$ , $I_{rr}=0.1 \times I_{Rr}$ , $R_L=100\Omega$		6	nS

## 典型特性曲线图/Typical Characteristics

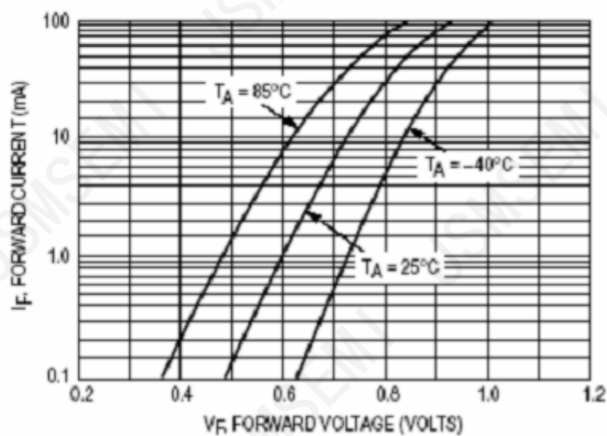


Figure 1. Forward Voltage

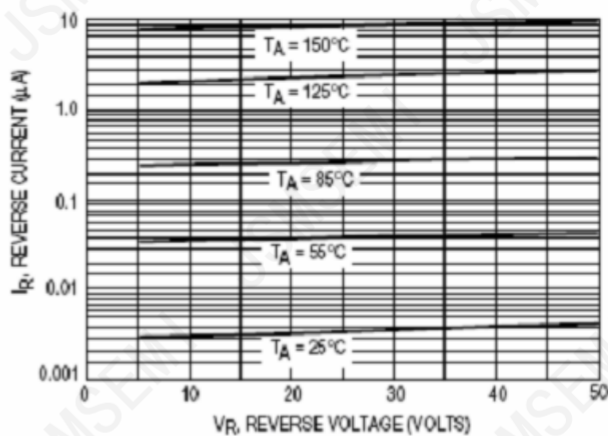


Figure 2. Leakage Current

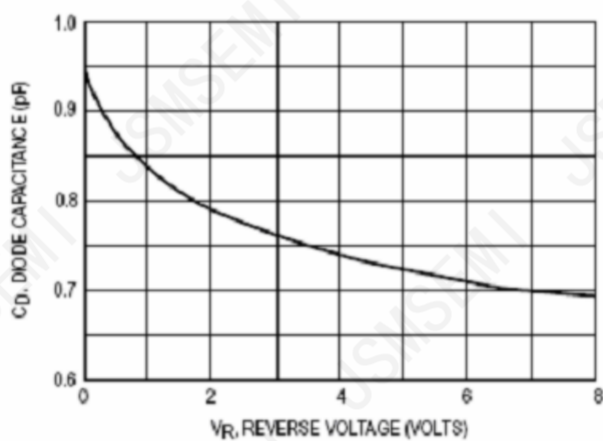
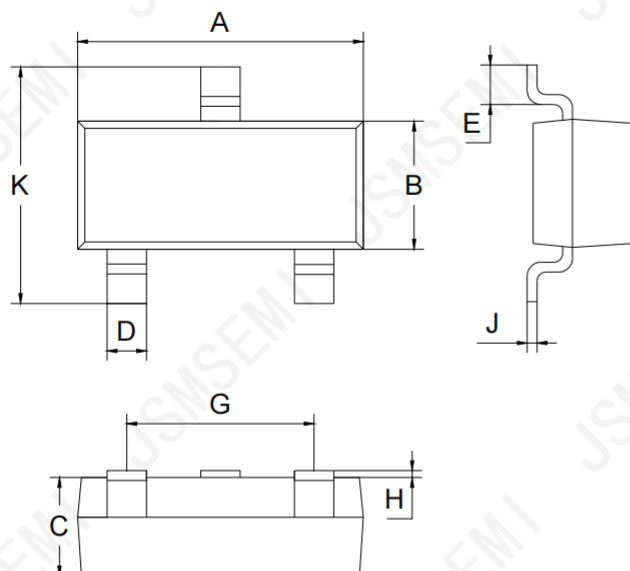


Figure 3. Capacitance

## 封装尺寸/PACKAGE OUTLINE

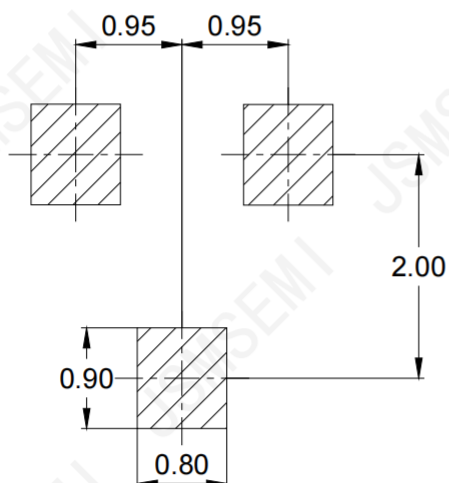
Plastic surface mounted package

SOT-23



SOT-23		
Dim	Min	Max
A	2.70	3.10
B	1.10	1.50
C	0.9	1.1
D	0.3	0.5
E	0.35	0.48
G	1.80	2.00
H	0.02	0.1
J	0.05	0.15
K	2.20	2.60
All Dimensions in mm		

## SOLDERING FOOTPRINT



Unit : mm

## Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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