

## SOT-23 塑封装晶体管

### S9012 晶体管 (PNP)

**特点**

为了配合S9013  
 优异  $\beta$  性能

标记: ZT1



最大额定值 (T<sub>c</sub> = 25°C 除非另有说明)

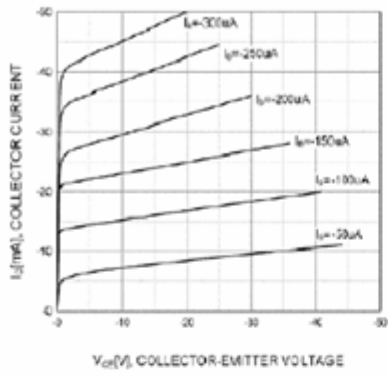
符号	参数	价值	单位
V <sub>CEO</sub>	集电极-基极电压	-40	V
V <sub>CE(sat)</sub>	集电极-发射极电压	-25	V
V <sub>BE</sub>	发射极-基极电压	-5	V
I <sub>C</sub>	集电极电流-连续	-500	mA
P <sub>C</sub>	集电极耗散功率	300	mW
T <sub>J</sub>	结温	150	°C
T <sub>amb</sub>	存储温度	-55-150	°C

电气特性 (除非另有规定环境温度T<sub>amb</sub> = 25°C)

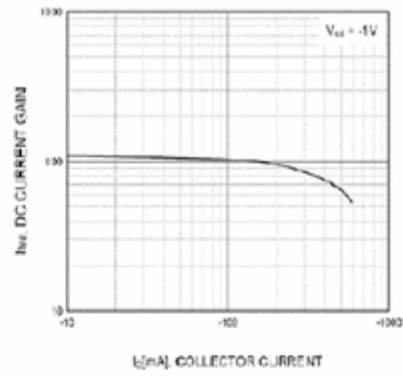
参数	符号	TEST 条件	典型	典型值	最大	单位
集电极-基极击穿电压	V <sub>(BR)CB</sub>	I <sub>C</sub> = -100 $\mu$ A, I <sub>B</sub> = 0	-40			V
集电极-发射极击穿电压	V <sub>(BR)CE</sub>	I <sub>C</sub> = -1mA, I <sub>B</sub> = 0	-25			V
发射极-基极击穿电压	V <sub>(BR)EB</sub>	I <sub>E</sub> = -100 $\mu$ A, I <sub>C</sub> = 0	-5			V
集电极截止电流	I <sub>CO</sub>	V <sub>CE</sub> = -40V, I <sub>B</sub> = 0			-0.1	$\mu$ A
集电极截止电流	I <sub>CEO</sub>	V <sub>CE</sub> = -20V, I <sub>B</sub> = 0			-0.1	$\mu$ A
发射极截止电流	I <sub>EO</sub>	V <sub>BE</sub> = -5V, I <sub>C</sub> = 0			-0.1	$\mu$ A
互导电流增益	h <sub>FE</sub>	V <sub>CE</sub> = -1V, I <sub>C</sub> = -50mA	120		400	
集电极-发射极饱和电压	V <sub>CE(SAT)</sub>	I <sub>C</sub> = -500mA, I <sub>B</sub> = -50mA			-0.6	V
基极饱和电压	V <sub>BE(SAT)</sub>	I <sub>C</sub> = -500mA, I <sub>B</sub> = -50mA			-1.2	V
跃迁频率	f <sub>T</sub>	V <sub>CE</sub> = 5V, I <sub>C</sub> = -20mA f = 30MHz	150			兆赫
集电极输出电容	C <sub>ob</sub>	V <sub>CE</sub> = -10V, I <sub>C</sub> = -1.95mA			5	pF

分类h及

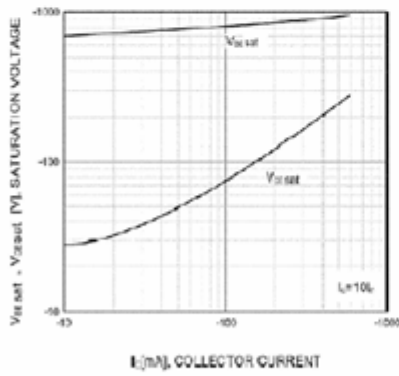
秩	L	H	J
范围	120-200	200-350	300-400



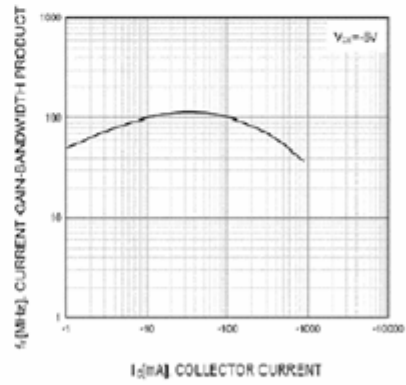
Static Characteristic



DC current Gain



Base-Emitter Saturation Voltage  
Collector-Emitter Saturation Voltage

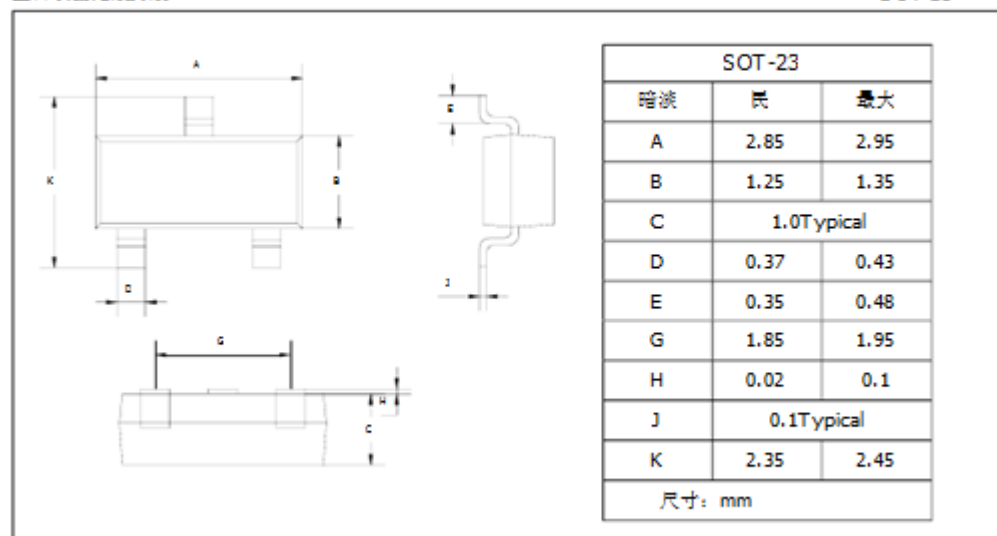


Current Gain Bandwidth Product

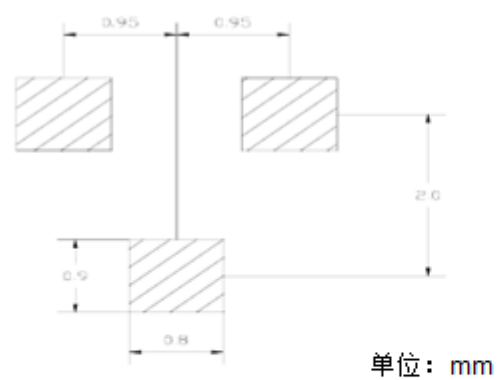
## 包装外形

塑料表面贴装封装

SOT-23



## 焊接足迹



## 包 信息

设备	包	航运
S9012	SOT-23	3000/Tape&Reel