

2SC3356

高频三极管(NPN) High-Frequency Amplifier Transistor

特性

FEATURES

*低噪声，高频率

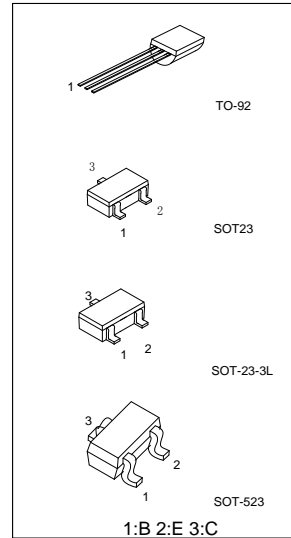
Low noise and high gain.

NF=1.1dB Typ. ,Ga=11dB Typ.@Vce=10V,Ic=7mA ,f=1.0 GHz

*高功率增益

High power gain.

MAG=13dB Typ.@Vce=10V,Ic=20mA , f=1.0 GHz



产品订购信息

产品名称 Ordering Number	封装形式 Package	打印名称 Print Number	环保等级 Free	包装 Packing
2SC3356-SC1-R-R	SOT23	R25/R24/R23	RoHS	编带
2SC3356-SF3-R-R	SOT-523	25/24/23	RoHS	编带
2SC3356-SD3-R-R	SOT-23-3L	R25/R24/R23	RoHS	编带
2SC3356-T93-R-K	TO-92	R25/R24/R23	RoHS	袋装

2SC3356 - SC1 - R - R

包装类型: 料管 (Tube) T, 卷盘编带 (Tape Reel) R,
防静电袋 (Bulk) K, T092编带 (Tape Box) B

绿色包装: R:RoHS

封装外形: SC1:SOT23; SF3:SOT-523;
SD2:SOT-23-3L; T93:TO-92

产品型号

2SC3356

绝对最大额定值MAXIMUM RATINGS (Ta=25°C)

项目 Characteristics	符号 Symbol	数值 Rating	单位 Unit
集电极、基极击穿电压 Collector-Base Voltage	VCBO	20	V
基极、发射极击穿电压 Collector-Emitter Voltage	VCEO	12	V
发射极、基极击穿电压 Emitter-Base Voltage	VEBO	3.0	V
集电极额定电流 Collector current	Ic	100	mA
总功耗 Total Power Dissipation	Ptot	200	mW
最高结温 Junction Temperature	Tj	150	°C
贮存温度 Storage Temperature Range	Tstg	-65to+150	°C

2SC3356

电特性ELECTRICAL CHARACTERISTICS(Ta=25°C)

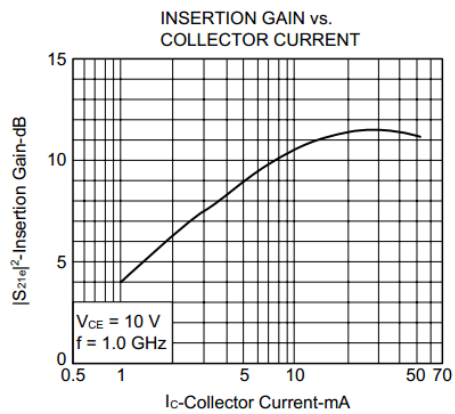
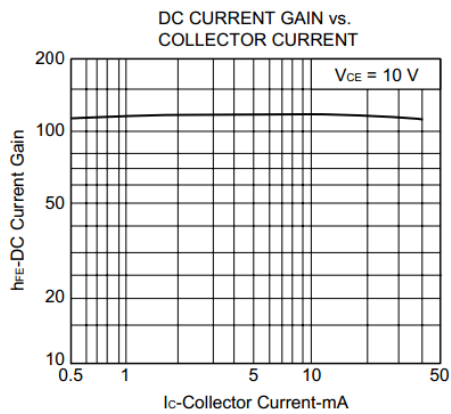
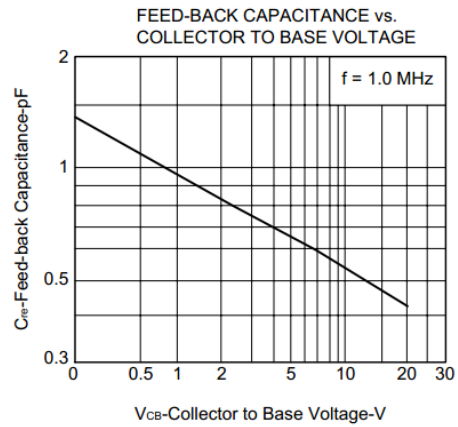
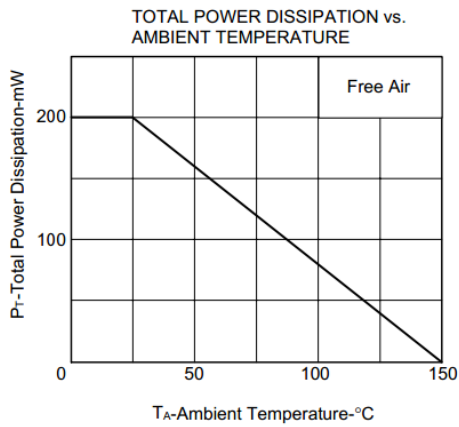
项目 Characteristics	符号 Symbol	测试条件 Test Condition	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
集电极、基极击穿电压 Collector- Base Breakdown Voltage	VCBO	Ic=100uA,Ib=0	20			V
集电极、发射极击穿电压 Collector- Emitter Breakdown Voltage	VCEO	Ic=1mA,Ib=0	12			V
发射极、基极击穿电压 Emitter - Base Breakdown Voltage	VEBO	Ic=100uA,Ib=0	3			V
集电极漏电流 Collector Cut-off Current	ICBO	Vcb=10V,Ie=0			1.0	uA
集电极、发射极漏电流 Emitter Cut-off Current	IEBO	Veb=3V,Ic=0			1.0	uA
直流电流增益 DC Current Gain	HFE	Vce=10V,Ic=20mA	50		300	
介入功率增益 Insertion power gain	S21e ²	Vce=10V,Ic=20mA,f=1GHz		11.5		dB
噪声因数 Noise figure	NF	Vce=10V,Ic=7mA, f=1GHz			2	dB
特征频率 Transition Frequency	fT	Vce=10V,Ic=20mA		7		GHz
反向传输电容 Reverse transfer Capacitance	Cre	Vcb=10V,Ie=0,f=1MHZ			1	pF

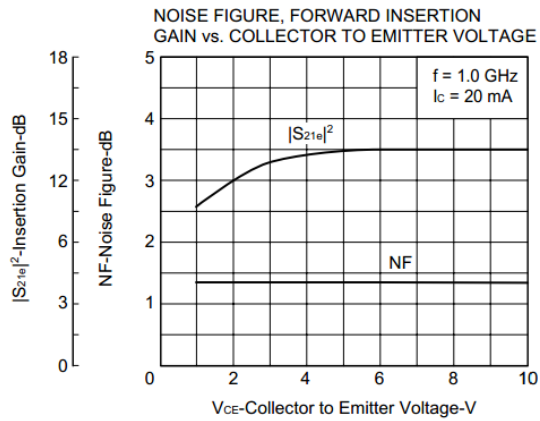
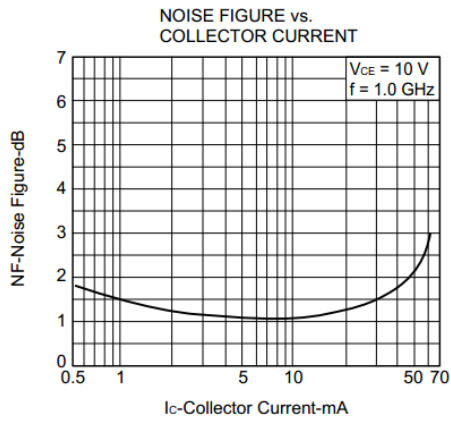
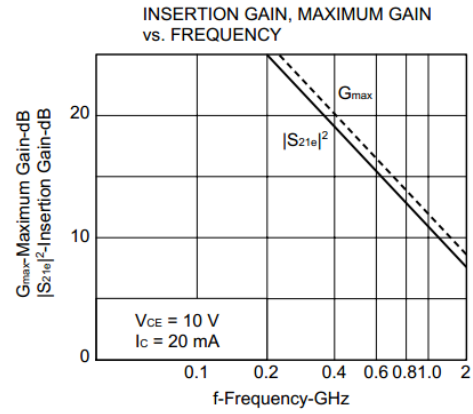
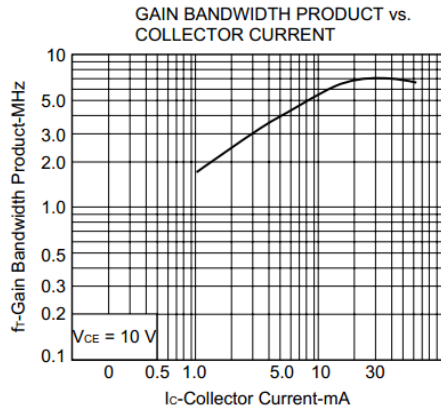
*.脉冲测量Pulse measurement : PW≤350us , Duty Cycle≤2%

放大分档HFE CLASSIFICATION

分类 Type	2SC3356-R23	2SC3356-R24	2SC3356-R25	2SC3356-R26
范围 Range	50-100	80-160	125-250	250-400
打印名 Marking	R23	R24	R25	R26

典型特征曲线 TYPICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

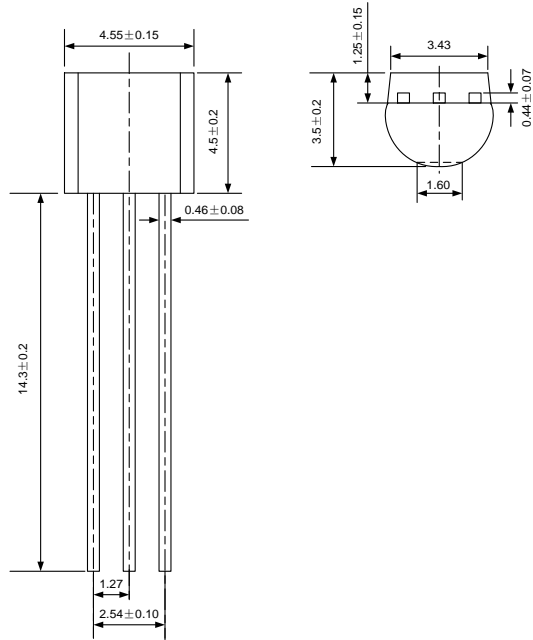




封装外形图 PACKAGE OUTLINE

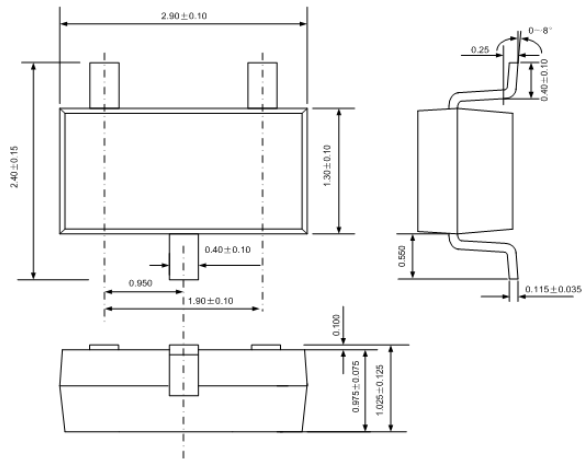
TO-92

UNIT: mm

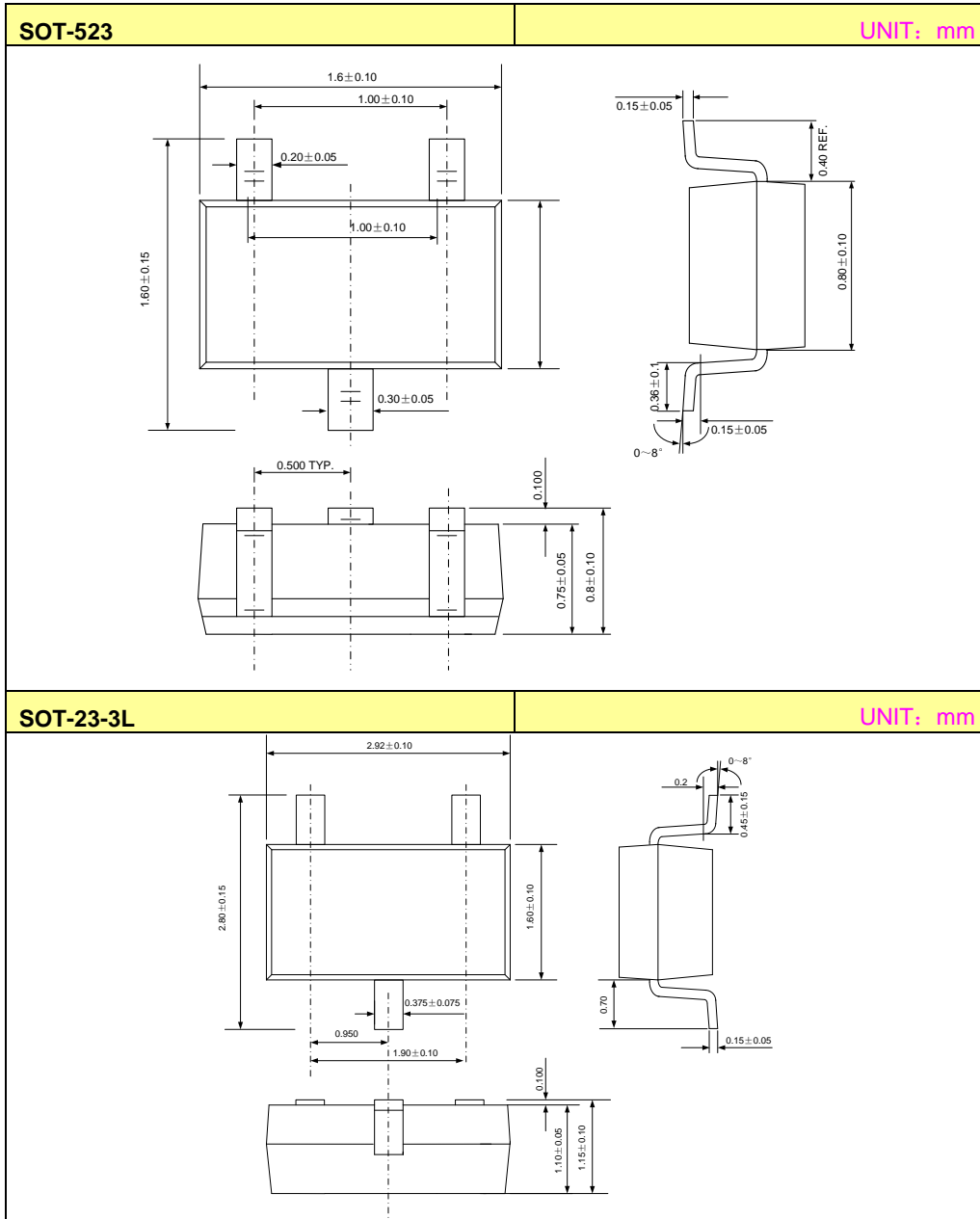


SOT23

UNIT: mm



2SC3356



防静电注意事项 ELECTROSTATIC DISCHARGE CAUTION



These devices have limited built-in ESD protection. The leads should be shorted together or the device placed in conductive foam during storage handling to prevent electrostatic damage to the device.

产品的内置ESD防护有限。产品存储时，应做好静电防护，以防静电对电路造成损坏。

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