



# 3CG8550

## 主要参数 MAIN CHARACTERISTICS

$I_C$	-1.5A
$V_{CEO}$	-25V
$P_C$	1W

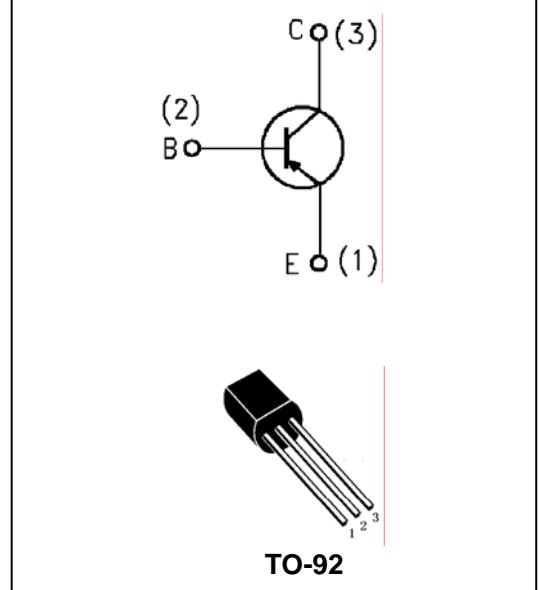
### 用途

- 高频开关电源
- 高频功率变换
- 一般功率放大电路

### APPLICATIONS

- High frequency switching power supply
- High frequency power transform
- Commonly power amplifier circuit

### 封装 Package



### 产品特性

- 硅外延
- 高开关速度
- 与 3DG8050 互补
- 环保 (RoHS) 产品

### FEATURES

- Epitaxial silicon
- High switching speed
- Complementary to 3DG8050
- RoHS product

## 订货信息 ORDER MESSAGE

订货型号 Order codes	印记 Marking	无卤素 Halogen Free	封装 Package	包装 Packaging
3CG8550-O-T-N-C	8550	否 NO	TO-92	袋装 Bag
3CG8550-O-T-N-A	8550	否 NO	TO-92	编带 Brede





## 绝对最大额定值 ABSOLUTE RATINGS (Tc=25°C)

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit	
集电极—基极直流电压	Collector- Base Voltage ( I <sub>E</sub> =0)	V <sub>CBO</sub>	-40	V
集电极—发射极直流电压	Collector- Emitter Voltage ( I <sub>B</sub> =0)	V <sub>CEO</sub>	-25	V
发射极—基极直流电压	Emitter-Base Voltage ( I <sub>C</sub> =0)	V <sub>EBO</sub>	-6	V
最大集电极直流电流	Collector Current ( DC)	I <sub>C</sub>	-1.5	A
最大集电极耗散功率	Total Dissipation (TO-92)	P <sub>C</sub>	1	W
最高结温	Junction Temperature	T <sub>j</sub>	150	°C
贮存温度	Storage Temperature	T <sub>stg</sub>	-55~+150	°C

## 电特性 ELECTRICAL CHARACTERISTIC

项 目 Parameter	测试条件 Tests conditions	最小值 Value(min)	典型值 Value(typ)	最大值 Value(max)	单 位 Unit
V(BR) <sub>CBO</sub>	I <sub>C</sub> =-100uA, I <sub>E</sub> =0	-40	-	-	V
V(BR) <sub>CEO</sub>	I <sub>C</sub> =-2mA, I <sub>B</sub> =0	-25	-	-	V
V(BR) <sub>EBO</sub>	I <sub>E</sub> =-100uA, I <sub>C</sub> =0	-6	-	-	V
I <sub>CBO</sub>	V <sub>CB</sub> =-35V, I <sub>E</sub> =0	-	-	-100	nA
I <sub>EBO</sub>	V <sub>EB</sub> =-6V, I <sub>C</sub> =0	-	-	-100	nA
Hfe(1)	V <sub>CE</sub> =-1V, I <sub>C</sub> =-5mA	100	-	-	
Hfe(2)	V <sub>CE</sub> =-1V, I <sub>C</sub> =-100mA	150	250	350	
Hfe(3)	V <sub>CE</sub> =-1V, I <sub>C</sub> =-800mA	80	-	-	
V <sub>CE(sat)</sub>	I <sub>C</sub> =-800mA, I <sub>B</sub> =-80mA	-	-0.28	-0.5	V
V <sub>BE(sat)</sub>	I <sub>C</sub> =-800mA, I <sub>B</sub> =-80mA	-	-0.98	-1.2	V
f <sub>T</sub>	V <sub>CE</sub> =-10V, I <sub>C</sub> =-50mA	100	200	-	MHz

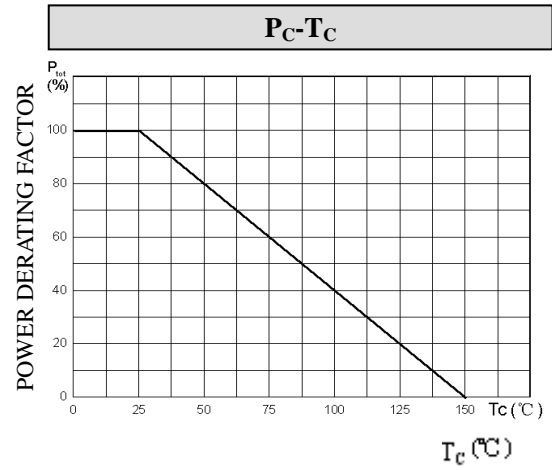
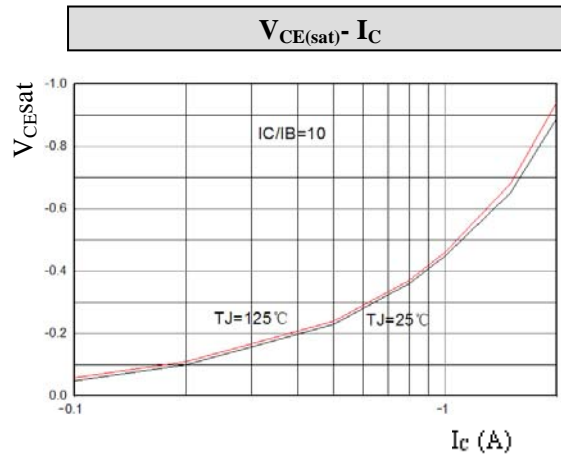
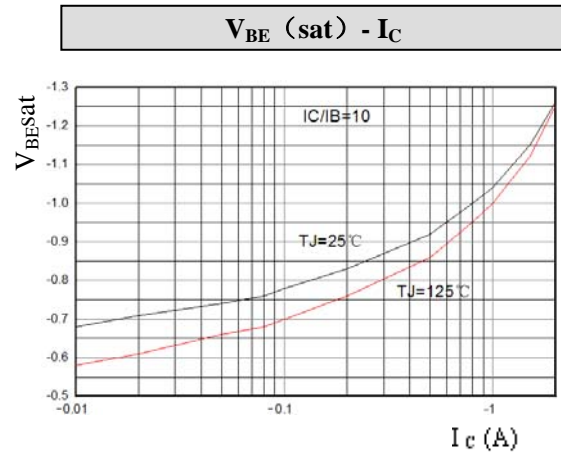
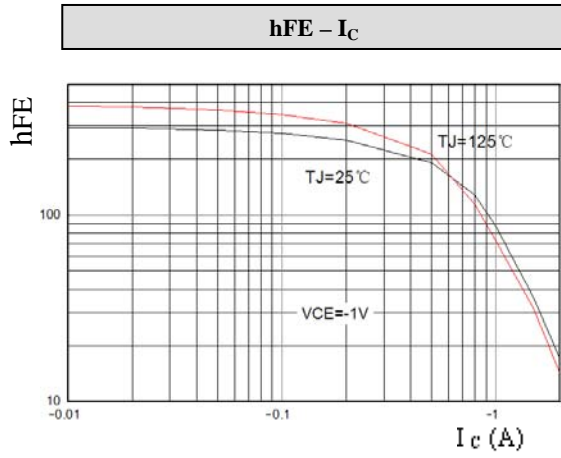
## 热特性 THERMAL CHARACTERISTIC

项 目 Parameter	符 号 Symbol	最小值 Value(min)	最大值 Value(max)	单 位 Unit
结到环境的热阻 TO-92 Thermal Resistance Junction Ambient TO-92	R <sub>th(j-a)</sub>	-	125	°C/W





特征曲线 ELECTRICAL CHARACTERISTICS (curves)

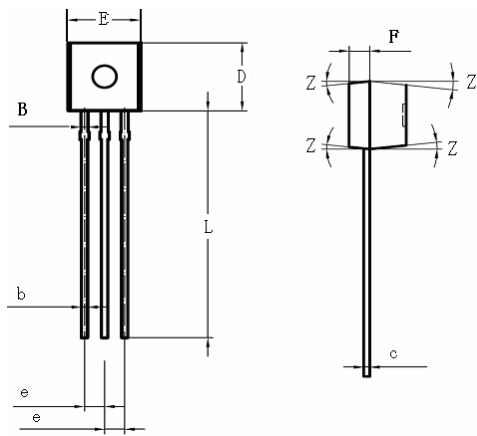




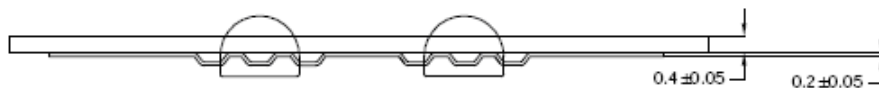
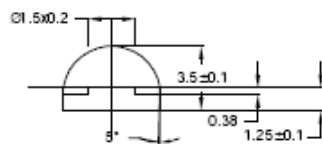
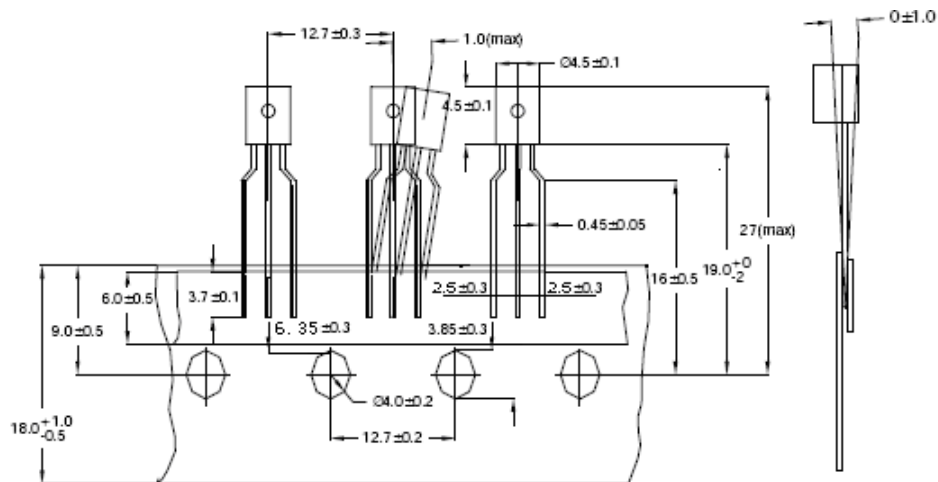
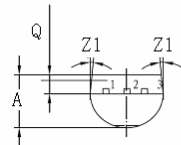
外形尺寸 PACKAGE MECHANICAL DATA

TO-92

单位 Unit : mm



A	3.30-3.90
B	0.35-0.55
b	0.35-0.55
c	0.31-0.51
D	4.30-4.90
E	4.30-4.90
e	1.17-1.37
F	1.00-1.60
L	12.50-15.50
Q	1.00-1.60
Z	2°
Z1	5°



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**附录 (Appendix) : 修订记录 (Revision History)**

日期 Date	旧版本 Last Rev.	新版本 New Rev.	修订内容 Description of Changes
2015-1-27		201501A	新版本

