

TTA1943

用途

- 应用于功率放大器

产品特性

- 高集电极电压: $V_{CEO}=-230V$ (min)
- 与 TTC5200 互补
- 推荐用于 100W 高保真音响频率放大器输出电路
- 环保 (RoHS) 产品

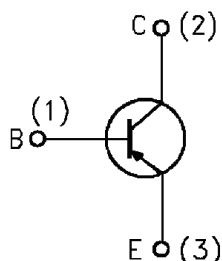
APPLICATIONS

- Power Amplifier Applications

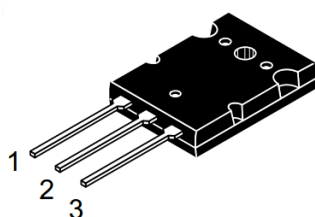
FEATURES

- High collector voltage: $V_{CEO}=-230V$ (min)
- Complementary to TTC5200
- Recommended for 100-W high-fidelity audio frequency amplifier output
- RoHS product

封装 Package

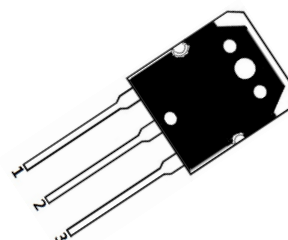


TO-3PL



- 1 基极 BASE 2 集电极 (热沉) COLLECTOR (HEAT SINK)
3 发射极 EMITTER

TO-3PB



绝对最大额定值 ABSOLUTE RATINGS (Tc=25℃ unless otherwise noted)

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
集电极—基极直流电压	Collector- Base Voltage	V_{CBO}	-230 V
集电极—发射极直流电压	Collector- Emitter Voltage	V_{CEO}	-230 V
发射极—基极直流电压	Emitter-Base Voltage	V_{EBO}	-5 V
最大集电极电流	Collector Current	I_C	-15 A
最大基极电流	Base Current	I_B	-1.5 A
最大集电极耗散功率 TO-3PB	Collector Dissipation(Tc=25℃)	P_C	150 W
最大集电极耗散功率 TO-3PL	Collector Dissipation(Tc=25℃)	P_C	180 W
最高结温	Junction Temperature	T_J	150 ℃
贮存温度	Storage Temperature	T_{stg}	-55~150 ℃

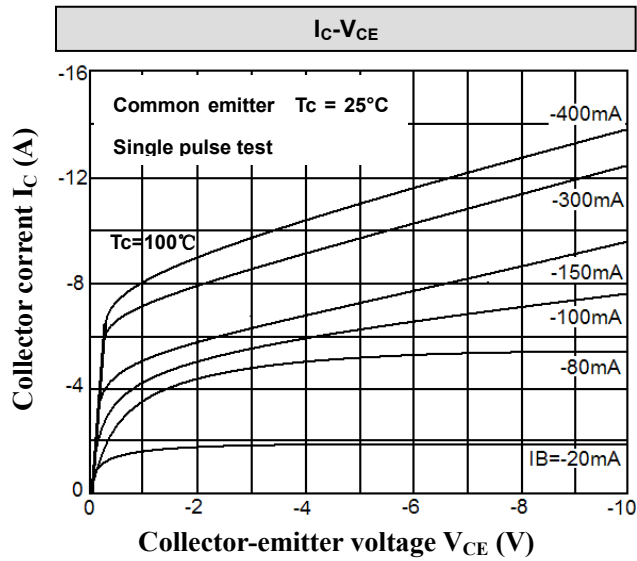
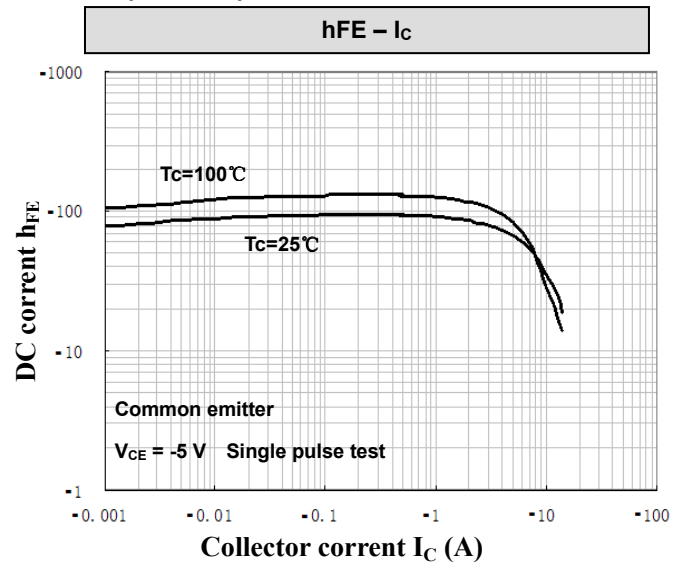
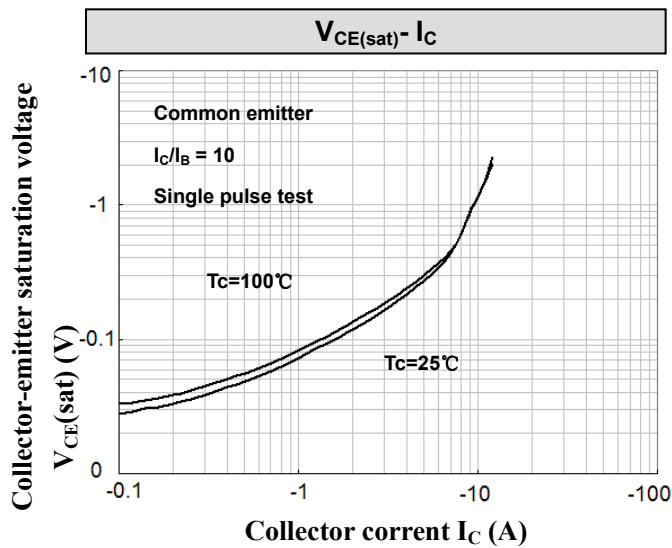
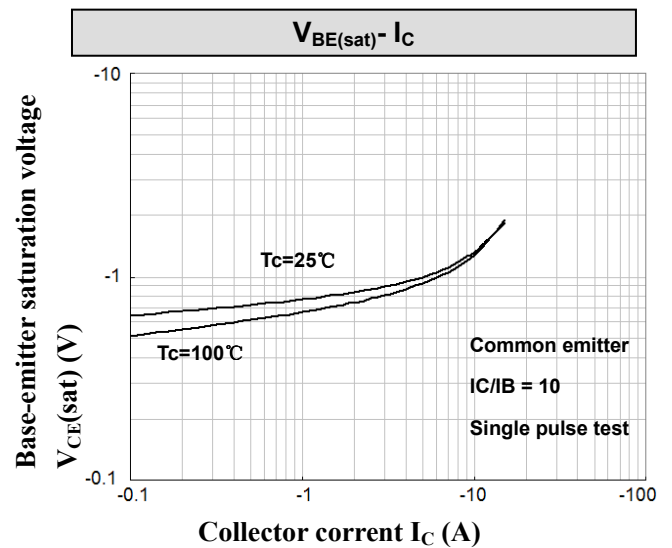
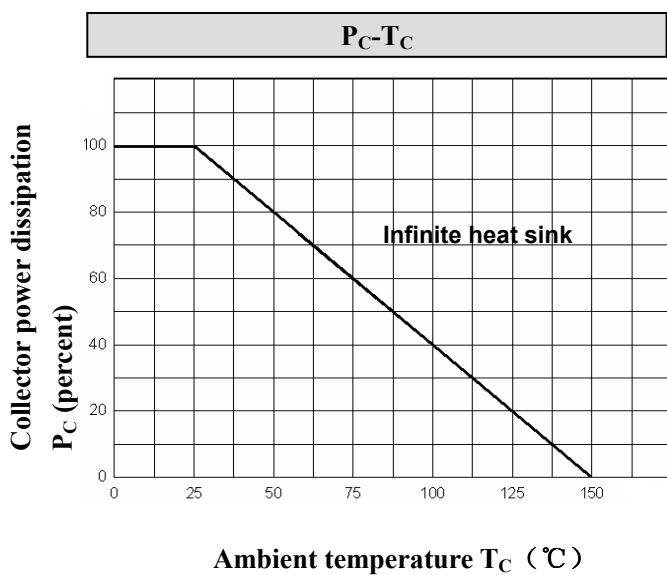
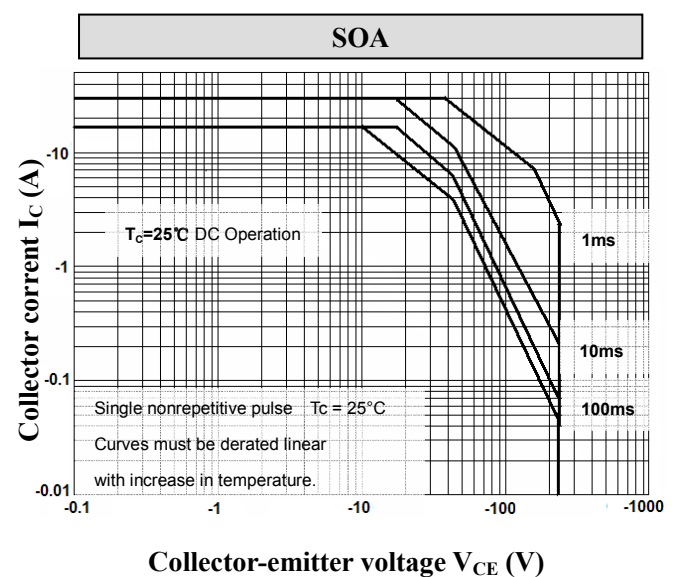
电特性 ELECTRICAL CHARACTERISTIC

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
I_{CBO}	$V_{CB}=-230V, I_E=0$	-	-	-5.0	μA
I_{EBO}	$V_{EB}=-5V, I_C=0$	-	-	-5.0	mA
$V_{(BR)CEO}$	$I_C=-50mA, I_B=0$	-230	-	-	V
hFE	$V_{CE}=-5V, I_C=-1.0A$	80	-	160	-
	$V_{CE}=-5V, I_C=-7.0A$	35	-	-	-
$V_{CE(sat)}$	$I_C=-8.0A, I_B=-0.8A$	-	-	-3.0	V
V_{BE}	$V_{CE}=-5V, I_C=-7.0A$	-	-	-1.5	V
f_T	$V_{CE}=-5V, I_C=-1.0A$	-	30	-	MHz
C_{Ob}	$V_{CE}=-10V, I_E=0, f=1MHz$	-	240	-	pF

热特性 THERMAL CHARACTERISTIC

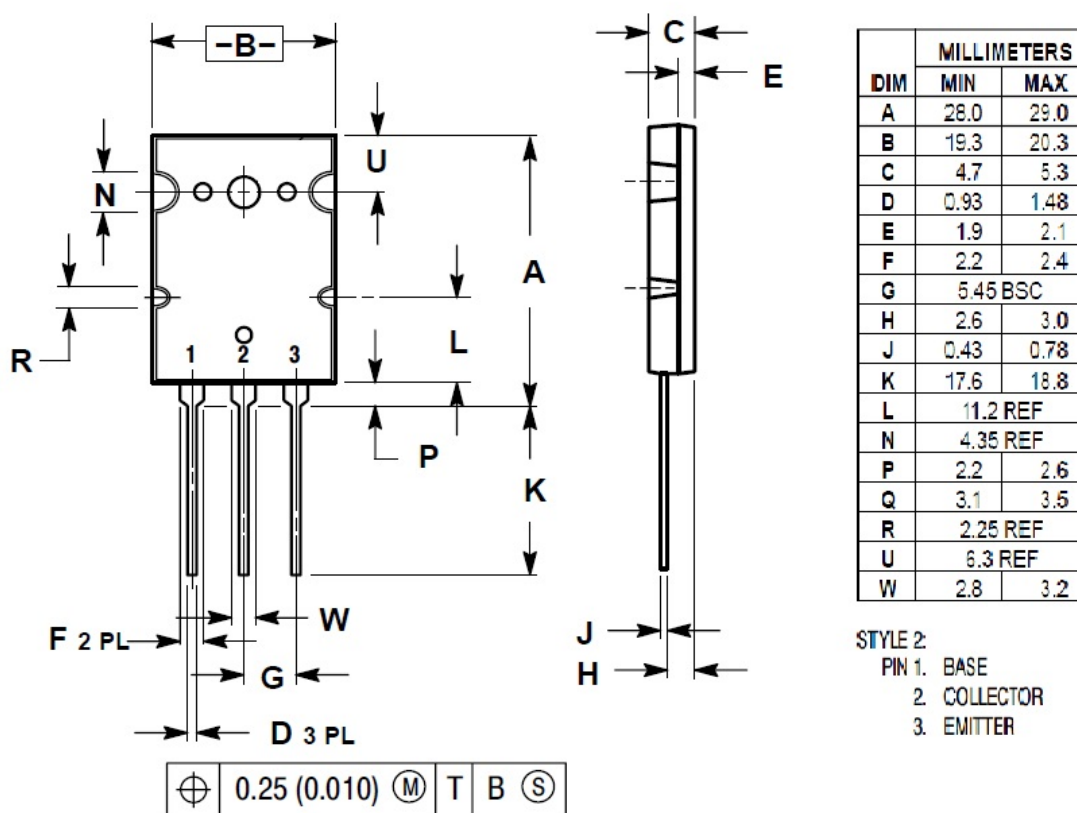
项 目 Parameter	符 号 Symbo	最小值 min	最大值 max	单 位 Unit
结到管壳的热阻 Thermal Resistance Junction Case TO-3PB	$R_{th(j-c)}$	-	0.962	$^{\circ}C/W$
结到管壳的热阻 Thermal Resistance Junction Case TO-3PL	$R_{th(j-c)}$	-	0.694	$^{\circ}C/W$

特征曲线 ELECTRICAL CHARACTERISTICS (curves)



PACKAGE MECHANICAL DATA

TO-3PL



TO-3PB

