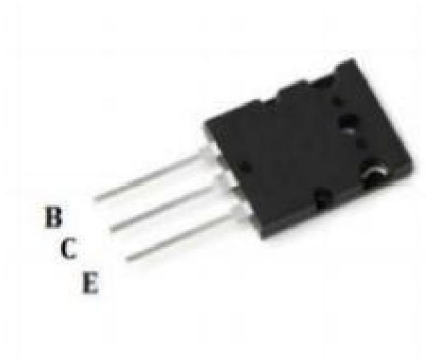
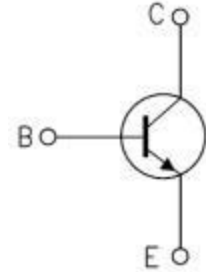


Features:

- ① Power Amplifier Applications
- ② Complementary to 2SC5200
- ③ High collector voltage: $V_{CEO}=230V$ (min)
- ④ Recommended for 100-W high-fidelity audio frequency amplifier Output stage

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings.



TO-3PL

Absolute Maximum Ratings (Tc=25°C)

Characteristics		Symbol	Rating	Unit
Collector-base voltage		V_{CBO}	-230	V
Collector-emitter voltage		V_{CEO}	-230	V
Emitter-base voltage		V_{EBO}	-7	V
Collector current		I_C	-17	A
Base current		I_B	-5	A
Collector power dissipation	Tc=25°C	P_C	180	W
Junction temperature		T_j	150	°C
Storage temperature range		T_{STG}	-55~150	°C

Package Marking And Ordering Information:

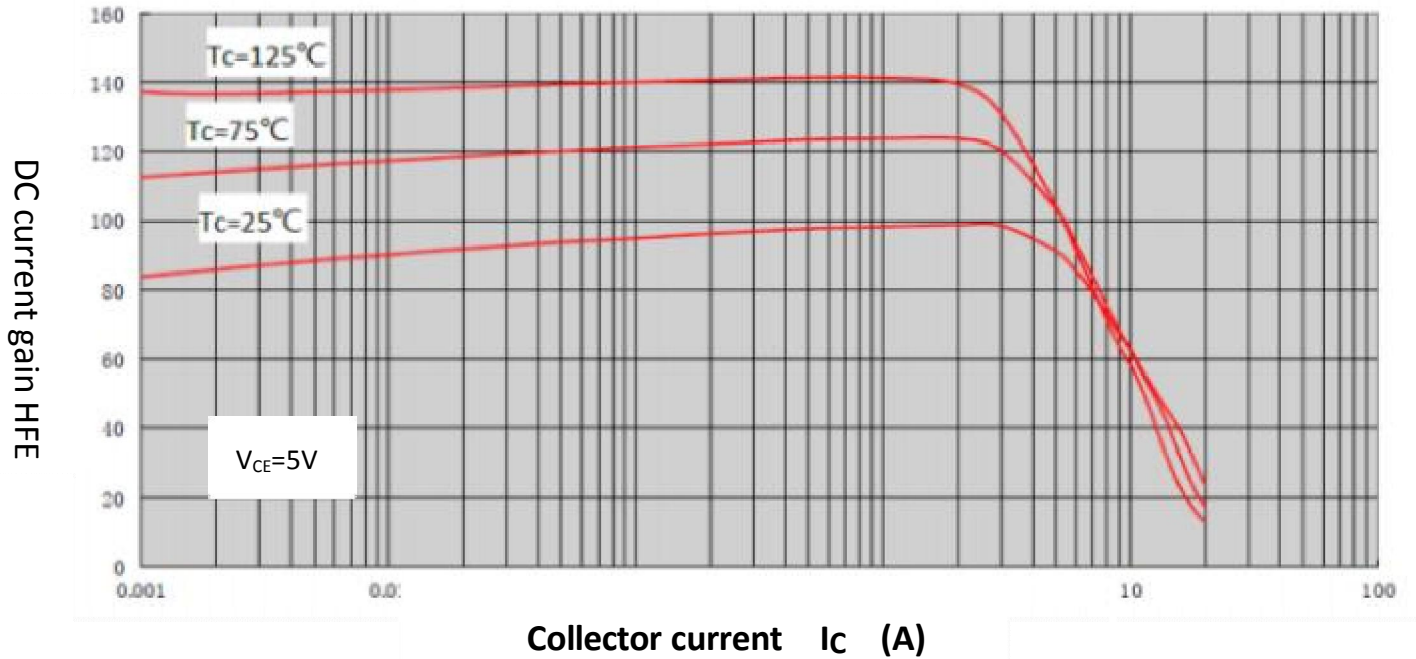
Ordering Codes	Package	Product Code	Packing
2SA1943	TO-3PL	1943	Tube

Electrical Characteristics $T_c = (25^\circ\text{C})$

Characteristics	Symbol	Test Condition		Min	Typ	Max	Unit
Collector cut-off current	I_{CBO}	$V_{CB} = -230V;$	$I_E = 0$			-500	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = -7V;$	$I_C = 0$			-500	μA
Dc current gain	h_{FE}	$I_C = -5A;$	$V_{CE} = -4V;$	70		140	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -4A;$	$I_B = -0.4A$			-0.5	V
Transition frequency	f_T	$V_{CE} = -10V;$	$I_{CE} = -0.5A ; f = 1MHz$		28		MHZ
Symbol	Parameter		Typ			Units	
$R_{\theta JC}$	Junction-to-Case		0.68			$^\circ C/W$	

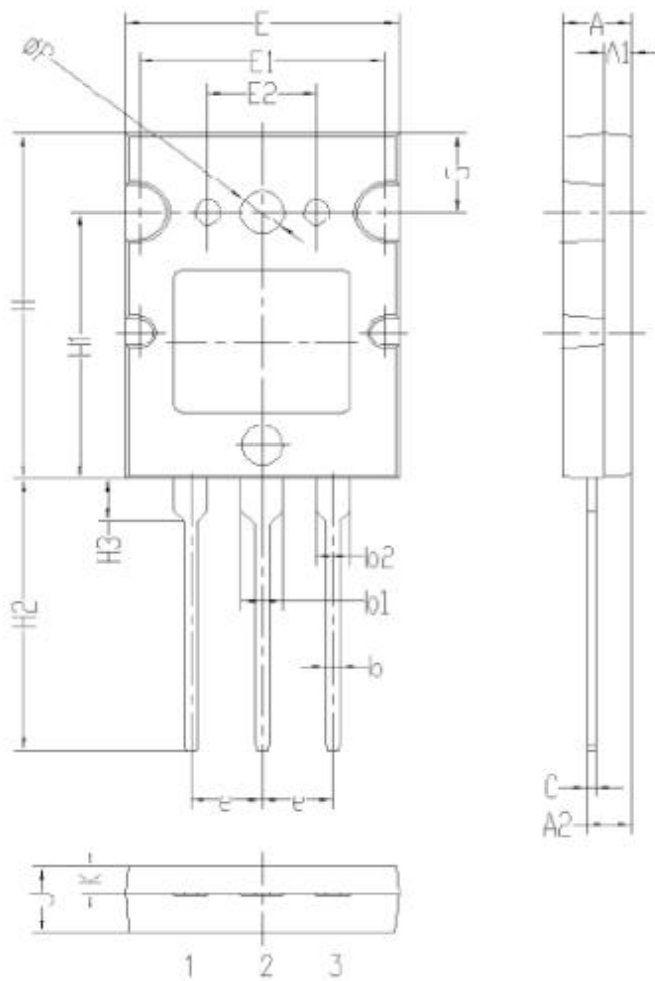
TYPICAL CHARACTERISTICS

HFE-- I_C



Package Information

TO-3PL PACKAGE



	単位 mm		
	MIN	NOM	MAX
A	4.8	5	5.2
A1	1.8	2	2.2
A2	3	3.2	3.4
b	0.8	1	1.2
b1	2.8	3	3.2
b2	2.3	2.5	2.7
c	0.4	0.6	0.8
e	5.25	5.45	5.65
E	19.8	20	20.2
E1	17.8	18	18.2
E2	7.8	8	8.2
H	25.8	26	26.2
H1	19.8	20	20.2
H2	20	20.5	21
H3	3.05	3.25	3.45
G	5.8	6	6.2
ØP	3.1	3.3	3.5
J	4.8	5	5.2
K	1.8	2	2.2