/ Descriptions

SOT-23 PNP Silicon PNP transistor in a SOT-23 Plastic Package.

/ Features

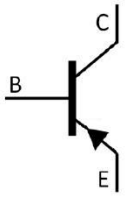
2SC5344S

High h_{FE}, complementary pair with 2SC5344S.

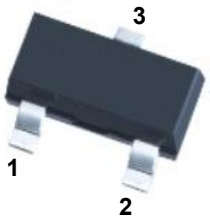
/ Applications

Audio power amplifier application.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	O	Y
h_{FE} Range	100～200	160～320
Marking	HEAO	HEAY

/ Absolute Maximum Ratings(Ta=25)

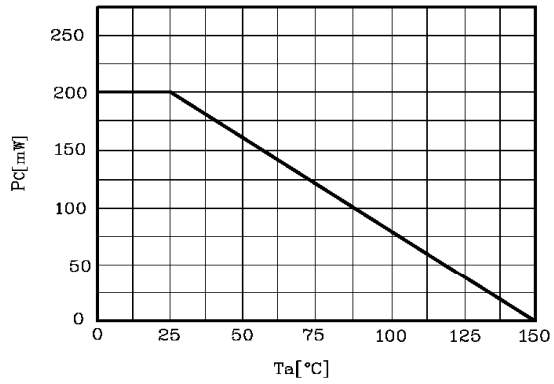
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-35	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current	I_C	-800	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

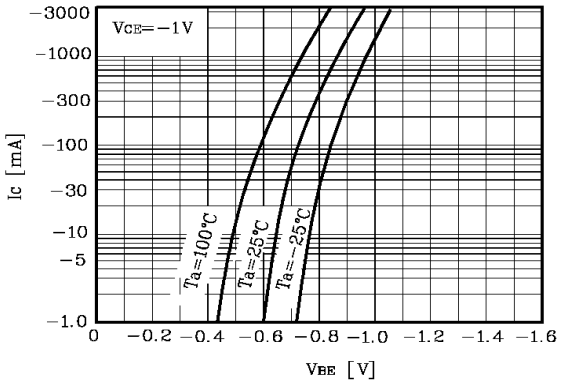
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	V_{CBO}	I_C=-500 A I_E =0	-35			V
Collector-Emitter breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-30			V
Emitter-Base Breakdown Voltage	V_{EBO}	I_E=-50 A I_C=0	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-35V I_E=0			-0.1	A
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-5.0V I_c=0			-0.1	A
DC Current Gain	h_{FE}	V_{CE}=-1.0V I_C=-100mA	100		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-500mA I_B=-20mA			-0.5	V
Transition Frequency	f_T	V_{CE}=-5.0V I_E=-10mA		120		MHz
Collector Output Capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1.0MHz		19		pF

/ Electrical Characteristic Curve

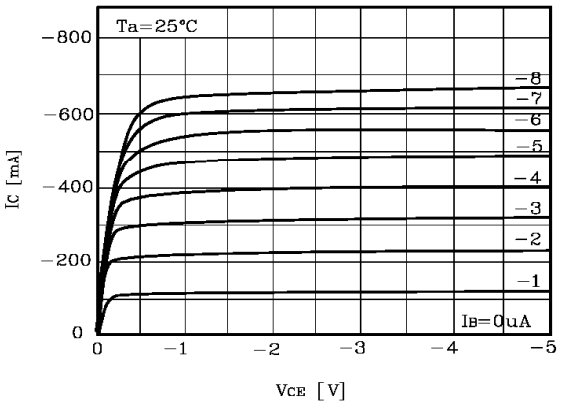
Pc-Ta



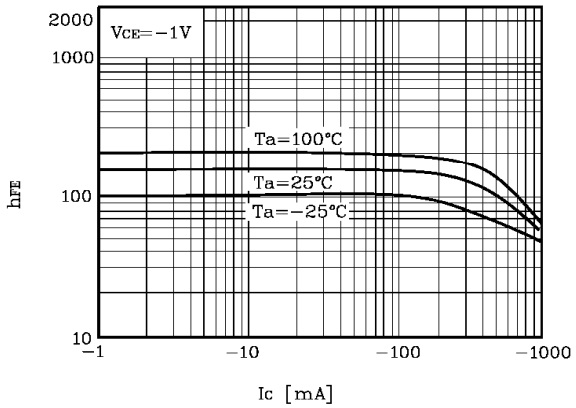
I_C -V_{BE}



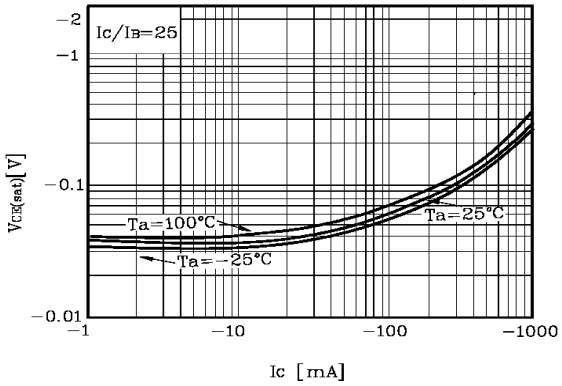
I_C - V_{CE}



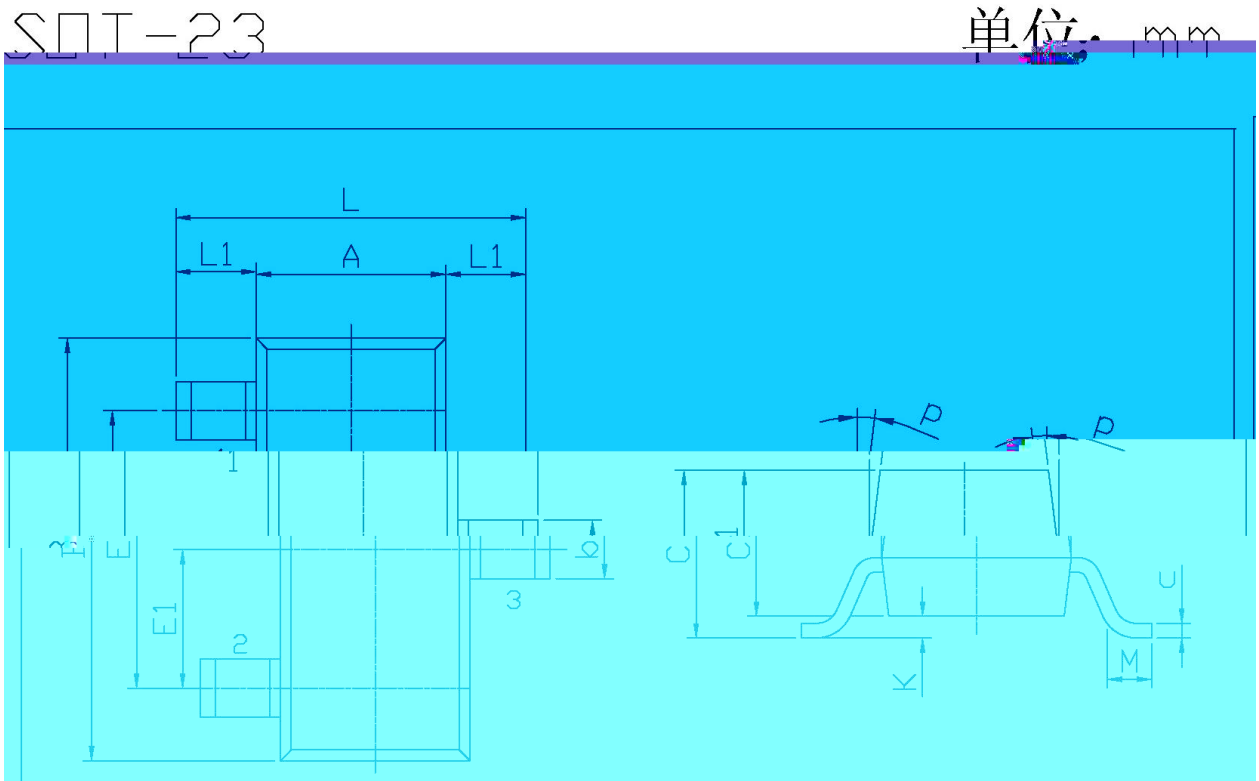
h_{FE} - I_C



$V_{CE(SAT)}$ - I_C

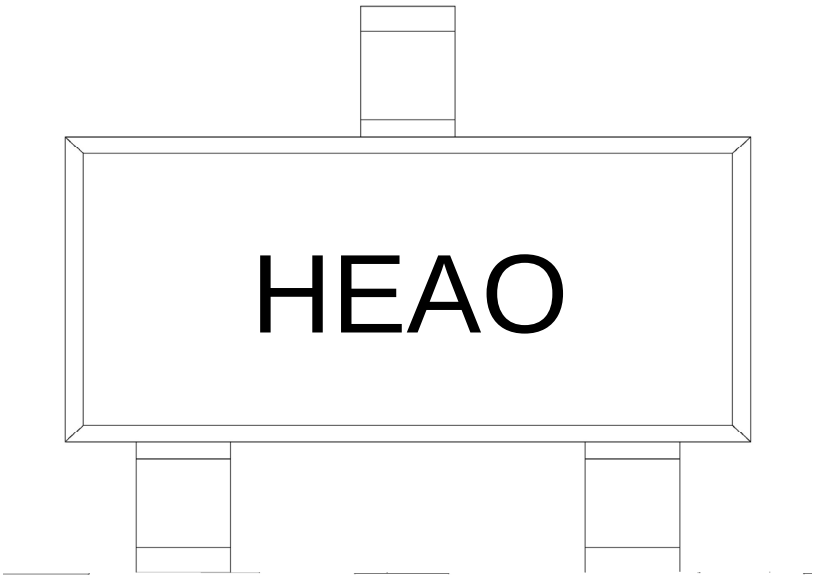


/ Package Dimensions



Symbol	Dimensions In Millmeters		Symbol	Dimensions In Millmeters	
	Min	Max		Min	Max
L	2.2	2.7	C	1.30Max	
L1	0.45	0.65	C1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.10			

/ Marking Instructions



H

EA

O: h_{FE}

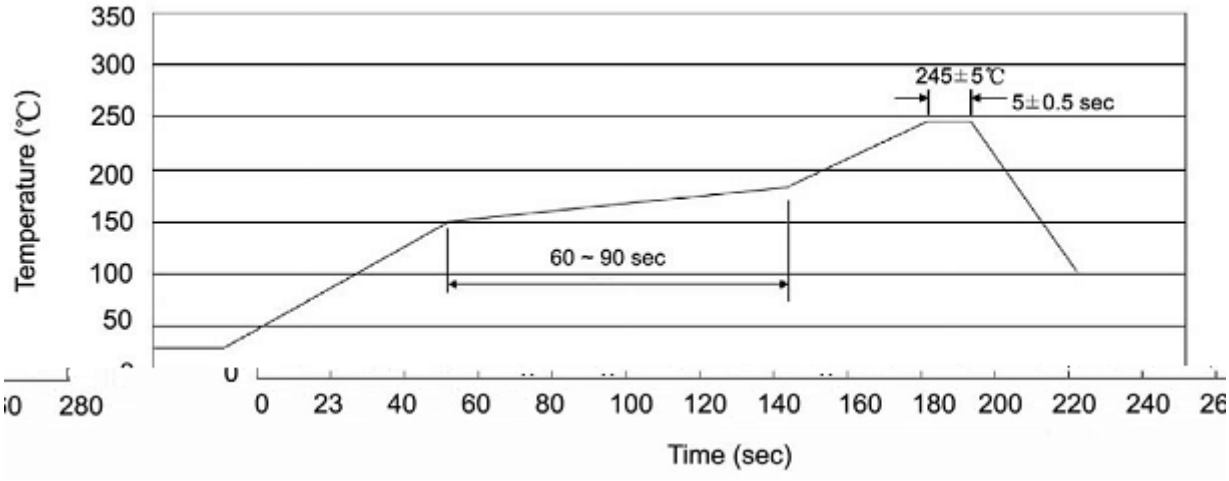
Note:

H: Company Code.

EA: Product Type Code

O: h_{FE} Classifications Symbol Code

( ) /



Note:

1 25 150 60 90sec;

1.Preheating:25~150 , Time:60~90sec.

2 245±5 5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3 2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Units 包装数量 Dimension 包装尺寸 (unit: mm)