/ Descriptions

Silicon NPN transistor in a SOT-23 Plastic Package.

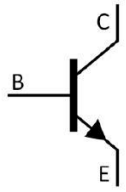
/ Features

Low $V_{CE(sat)}$, high current.

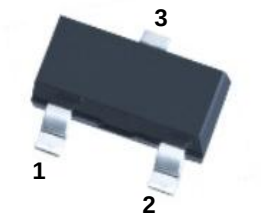
/ Applications

General purpose switching and muting, LCD back-lighting, supply line switching circuits.

/ Equivalent Circuit



/ Pinning



PIN 1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

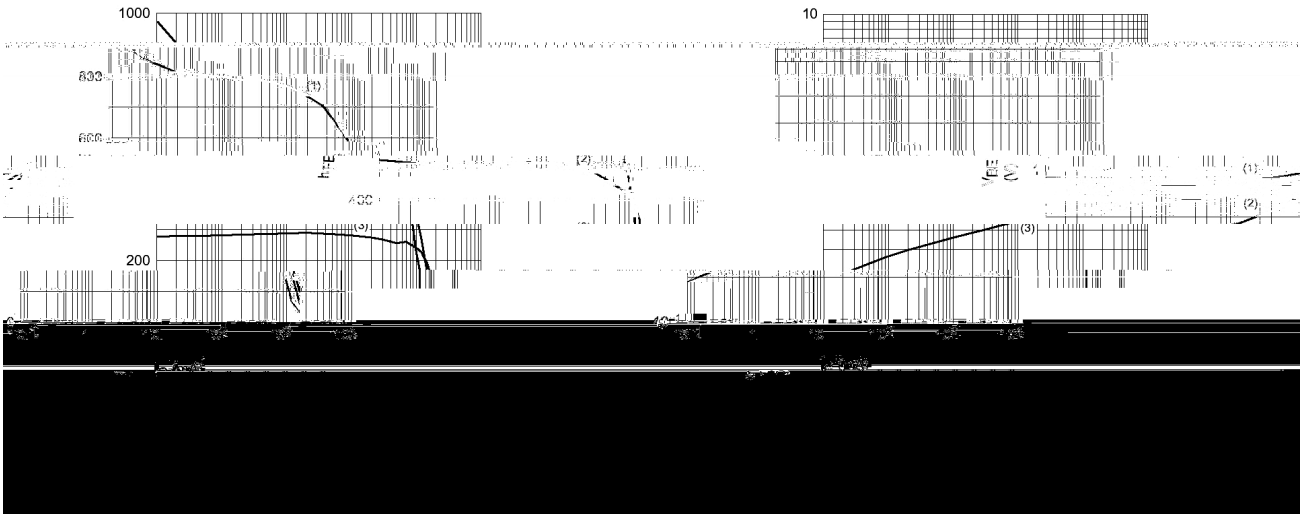
h_{FE} Range	300~900
Marking	HZTP

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	40	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current	I_C	1.0	A
Peak Collector Current	I_{CM}	2.0	A
Peak Base Current	I_{BM}	1.0	A
Collector Power Dissipation	P_C	300	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55˙ 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=40V I_E=0			0.1	μA
Collector Cut-Off Current	I_{CEO}	V_{CB}=30V I_E=0			0.1	μA

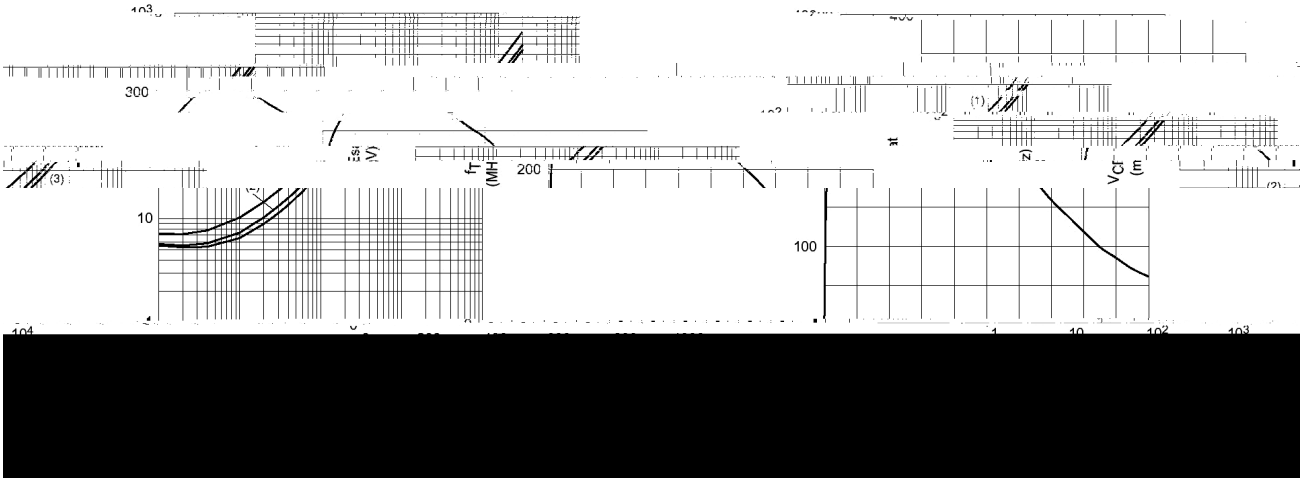
/ Electrical Characteristic Curve

hFE-Ic



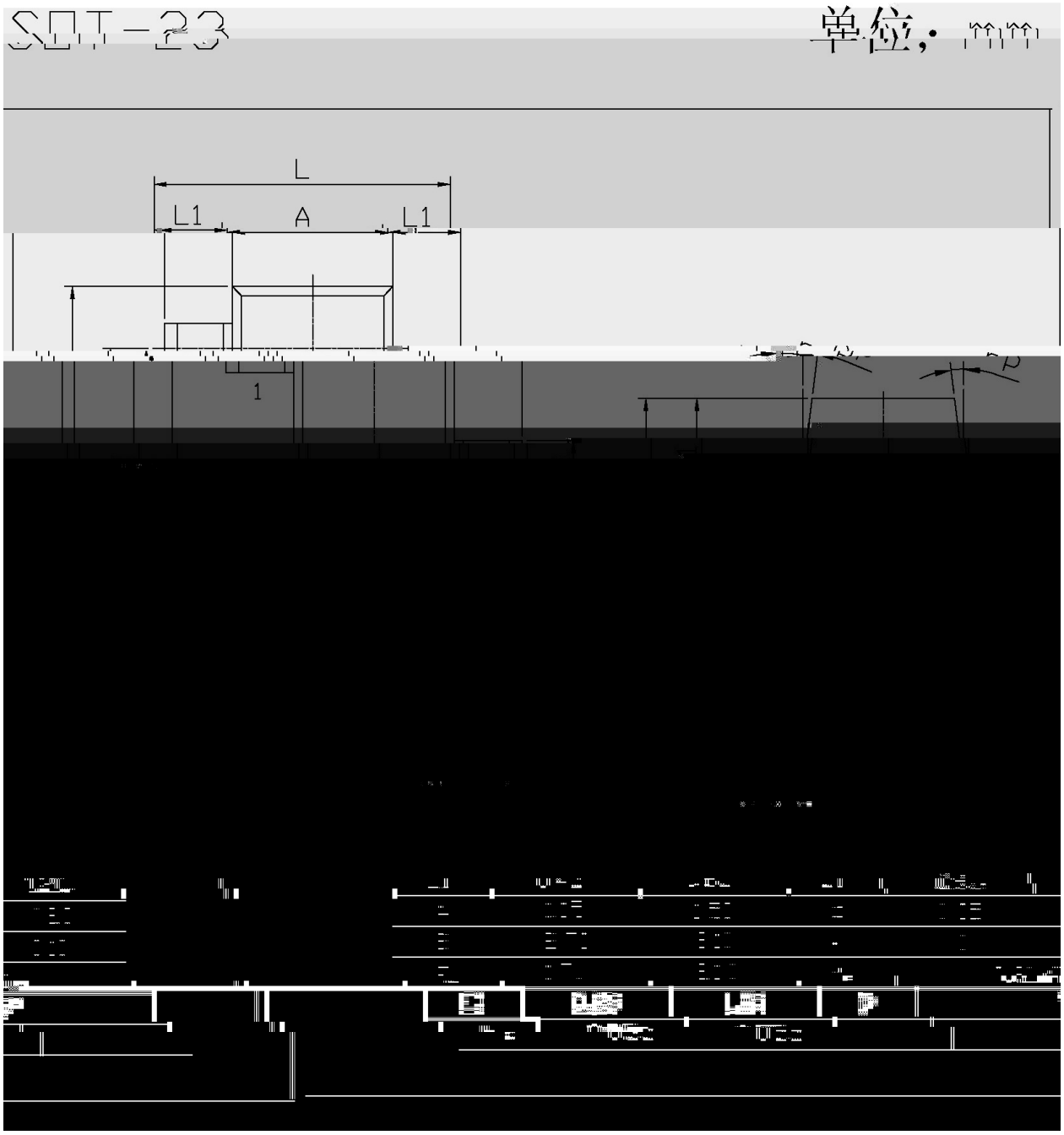
VBE-Ic

VCE-Ic

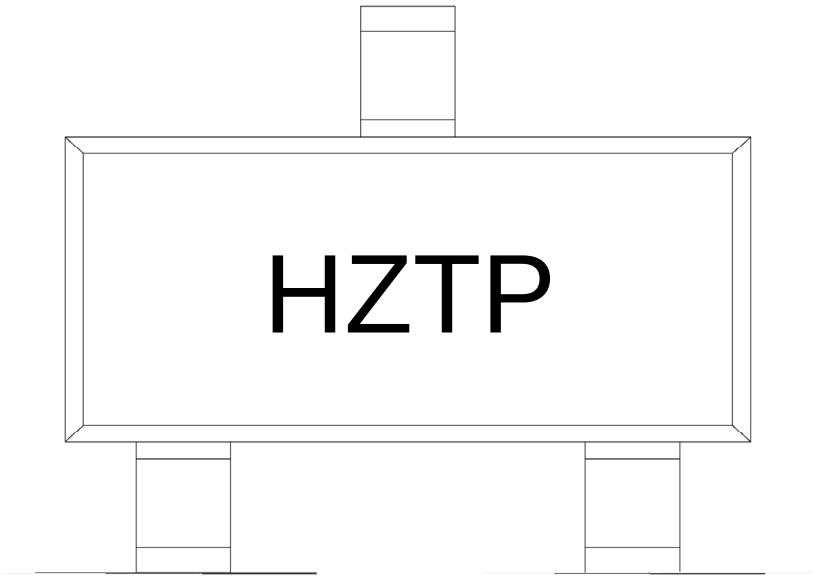


fT-Ic

/ Package Dimensions



/ Marking Instructions



ZTP

Note:

	Company Code
ZTP	Product Type