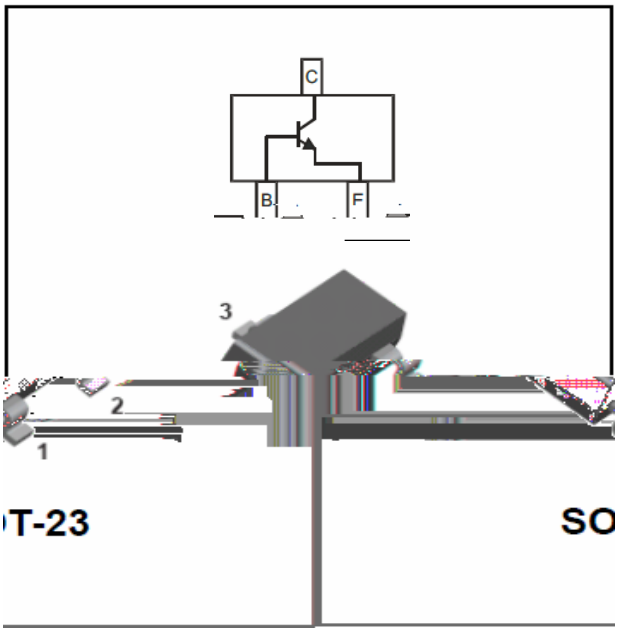
NPN General Purpose Amplifier



Features

- ●Low collectoremitter saturation voltage
- ●High current capability
- ●Improved device reliability due to reduced heat generation
- ●Epoxy meets UL94 V0 flammability rating
- ●Halogen free available upon request by adding suffix ”HF”
- ●Moisure Sensitivity Level 1
- ●Marking:3D

Applications

- ●Supply line switching circuits
- ●Battery management
- ●DC-DC convertor
- ●Strobe flash
- ●Motor and lamp driver

■Maximum Rantings (Ta=25)

Item	Symbol	Unit	Conditions	Value
CollectorEmitter Voltage	V_{CEO}	V	I_C=1mA, I_B=0	-

	$_C$	A		2
Collector Power Dissipation	Pc	mW		300
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	/W		417
Operation Junction Temperature	T_j			150
Storage Temperature	T_{stg}			-55 to +150

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX		
PBSS4230T	F2	Approximate 0.008	3000	30000	120000	7” reel

v(OHFWULFDO &KÄVD

,WHP	Q	0D[
&ROOHFWRU(PLWWHU 9ROWD	,	
&ROOHFWRU%DVH 9ROWDJH		
(PLWWHU%DVH 9ROWDJH	,	
&ROOHFWRUEDVH &XWRII &X		9
%DVHHPLWWHU &XWRII &XU		9

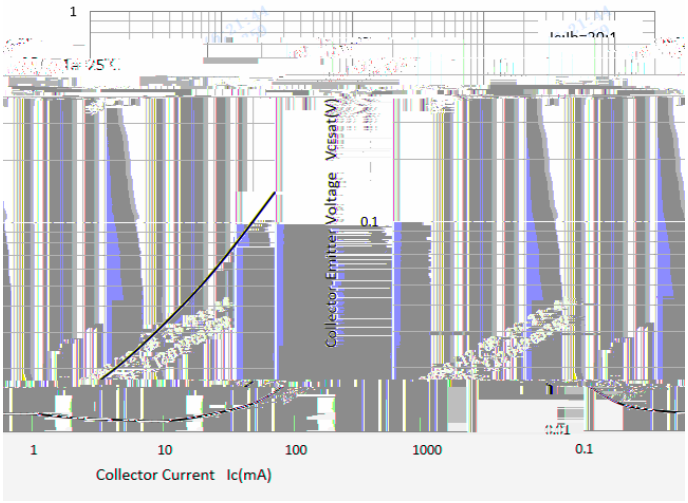
'& &XUUHQW *DLQ

)(	K	& $ 9 (9		
		& $ 9 (9		

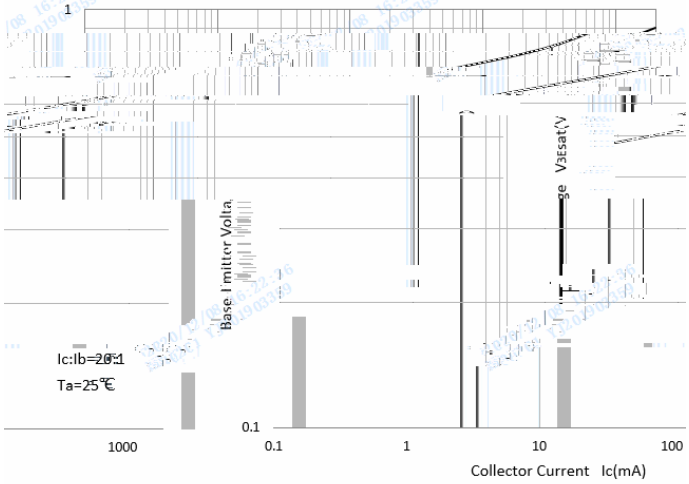
&ROOHFWRU(PLWWHU 6DWXUDWL8 H&2PL Q 9€˜$„4 Â'#

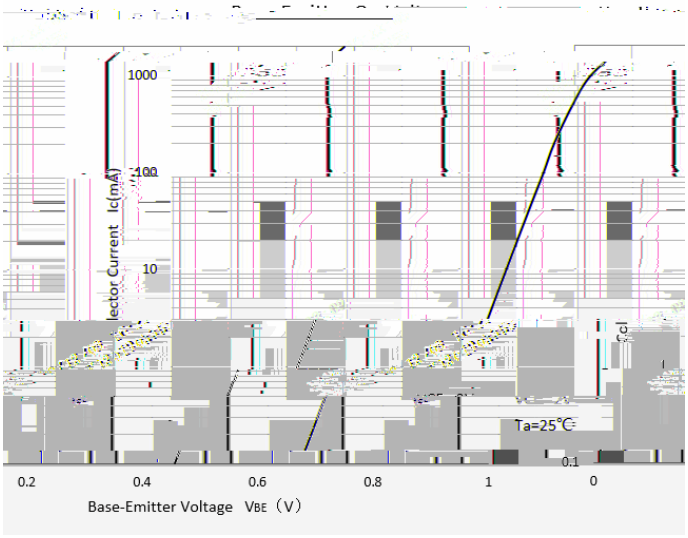
5HY HF

Collector-Emitter Saturation Voltage

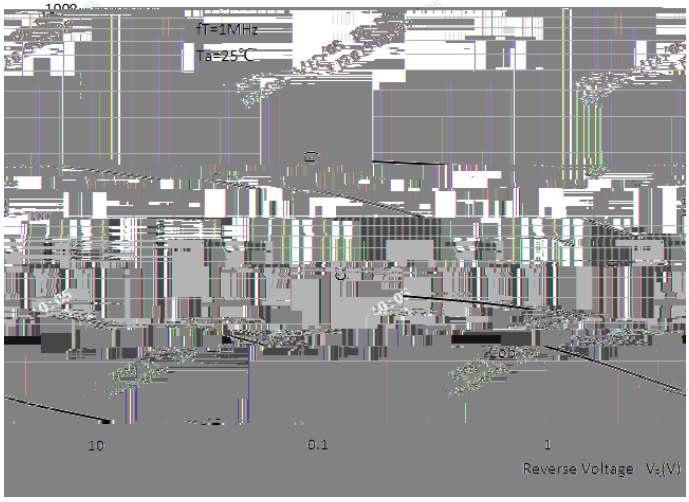


Base-Emitter Saturation Voltage

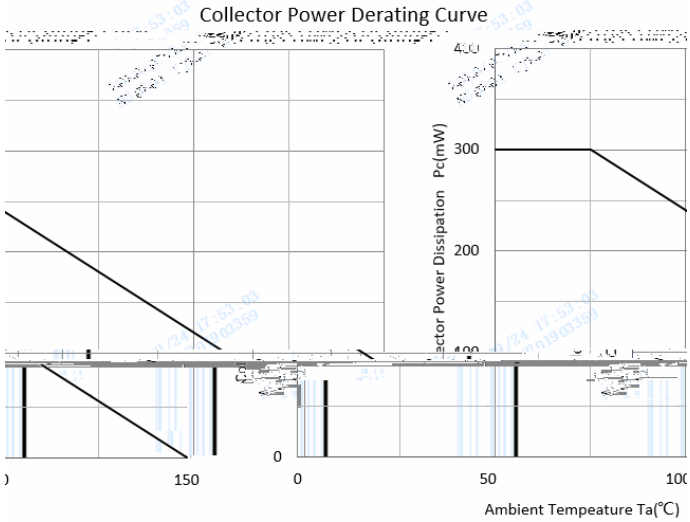




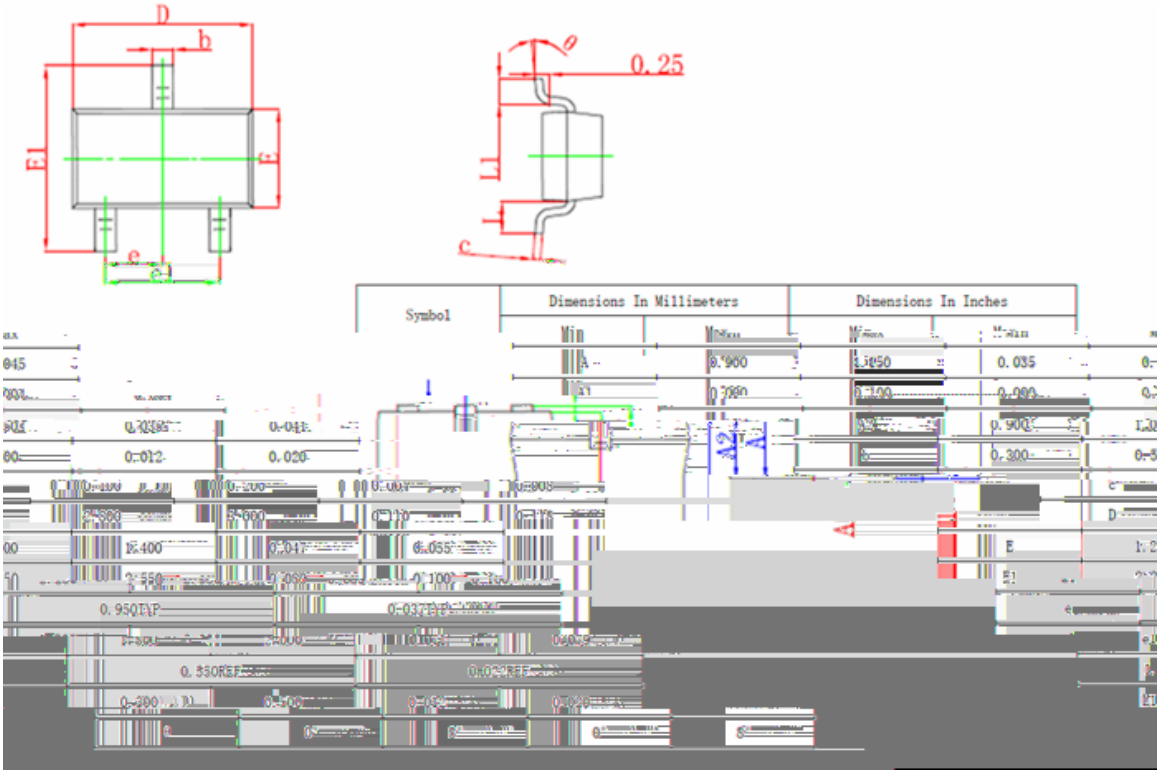
Cob/Cib-V_{CB}/V_{EB}



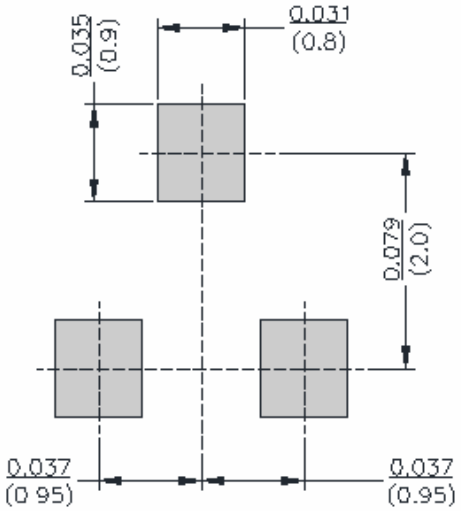
Collector Power Derating Curve



■SOT23 Package Outline Dimensions



■SOT23 Soldering Footprint



Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make cDges without not ice for the specification of the products displayed herei o Mto improve reli bil tyfunc tidesign Mo or otherise.

The product listed herein is designCed to be used with ordinary electronic equipment or devices, and not designAed to be used with equipment or devices whCich require high level of reliability and the malfunction of with would directlyendanger human life (s uch as medical instruments, transportation equipmentery, clearreactor aerospAace A fuel m dtin devices) ļ MYangjie o Manyo l Mo its be& f, assumesity oresponsibility for any dAamagAes resulting from such improper use of sale.

This publication supersedes r