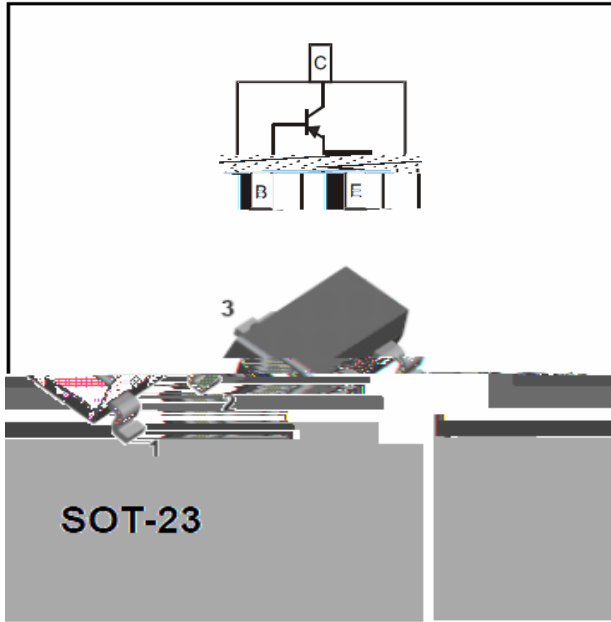


PNP General Purpose Amplifier



Features

- Low collector-emitter saturation voltage
- High current capability
- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1
- Marking:3E

Applications

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

Maximum Ratings (Ta=25 -)

Item	Symbol	Unit	Conditions	Value
Collector-Emitter Voltage*	V_{CEO}	V	$I_C=-1mA, I_B=0$	-30
Collector-Base Voltage	V_{CBO}	V	$I_C=-100\mu A, I_E=0$	-30
Emitter-Base Voltage	V_{EBO}	V	$I_E=-100\mu A, I_C=0$	-5
Collector Current	I_C	A		-1
Collector Power Dissipation	P_C	mW		300
Thermal Resistance From Junction To Ambient	R_{JA}	-/W		417
Operation Junction Temperature	T_j	-		150
Storage Temperature	T_{stg}	-		-55 to +150

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
PBSS5130T	F2	Approximate 0.008	3000	30000	120000	7" reel

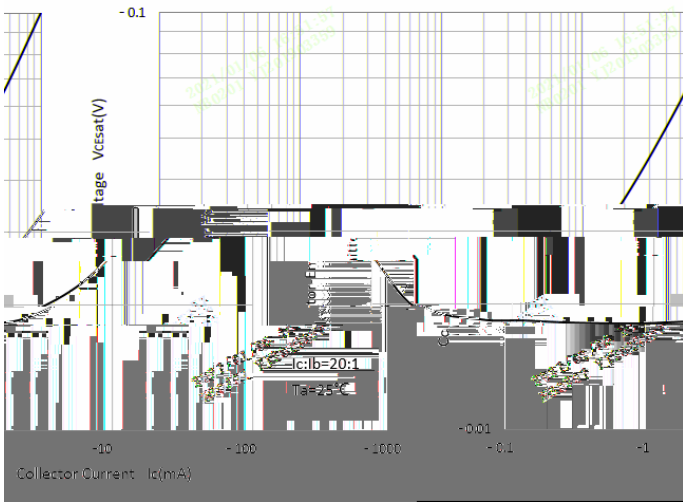


Electrical Characteristics $T_a=25$

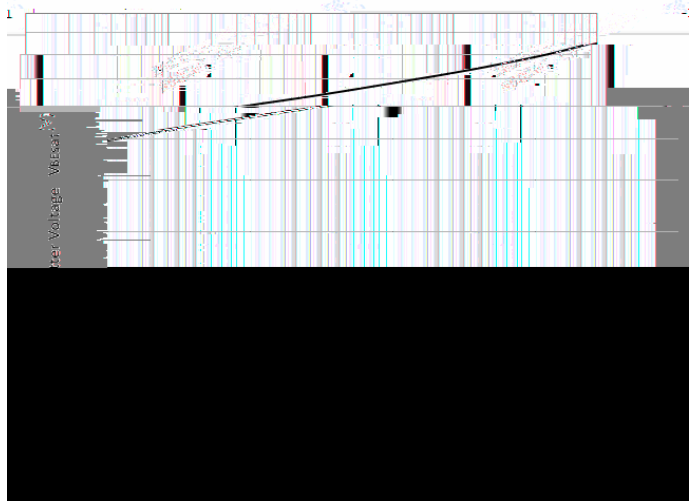


PBSS5130T

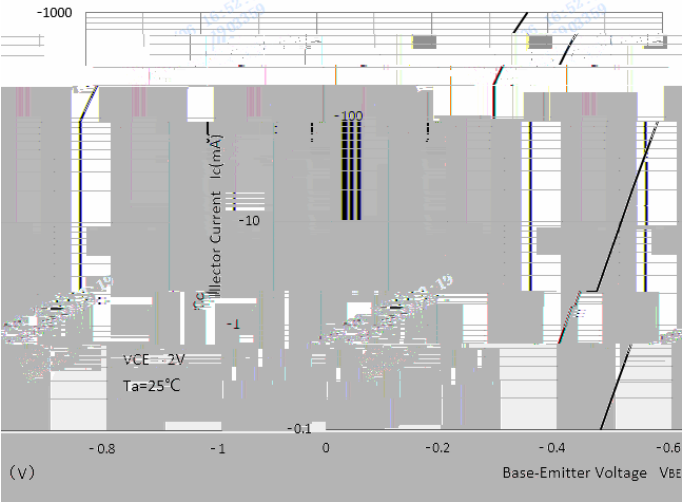
Collector-Emitter Saturation Voltage



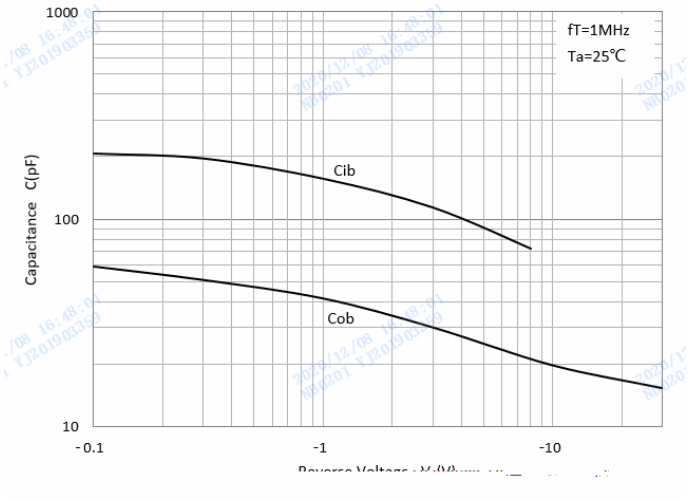
Base-Emitter Saturation Voltage



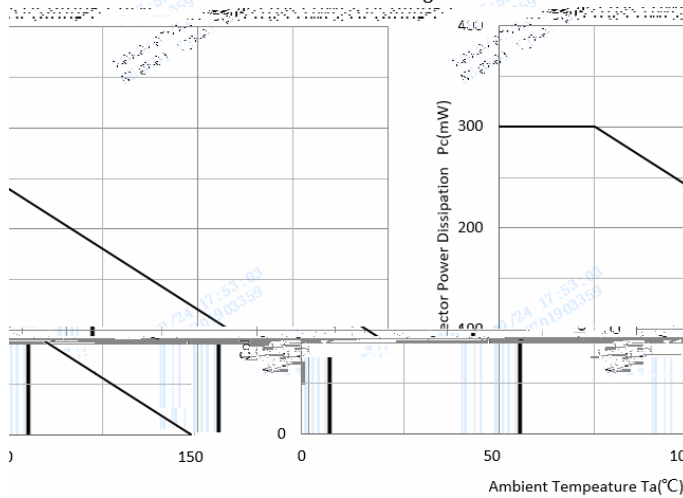
Base-Emitter On Voltage



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



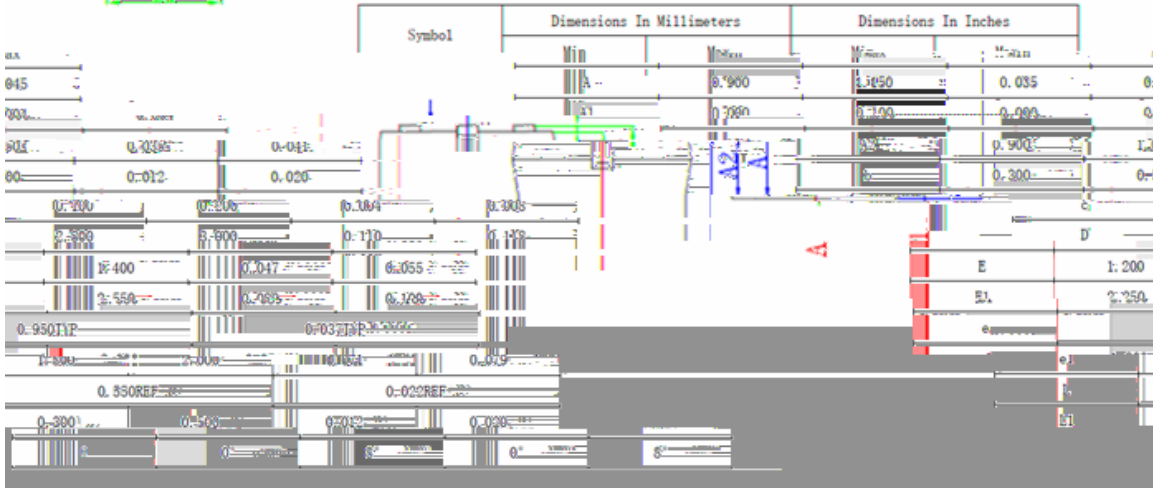
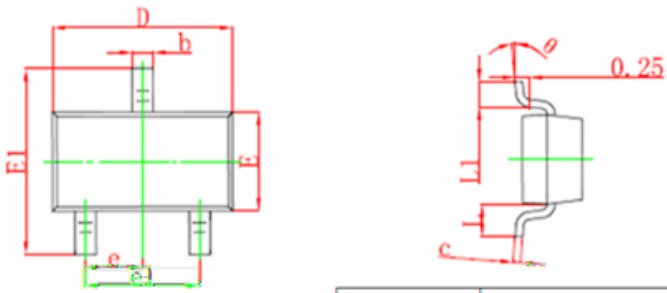
Collector Power Derating Curve





PBSS5130T

SOT-23 Package Outline Dimensions





Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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