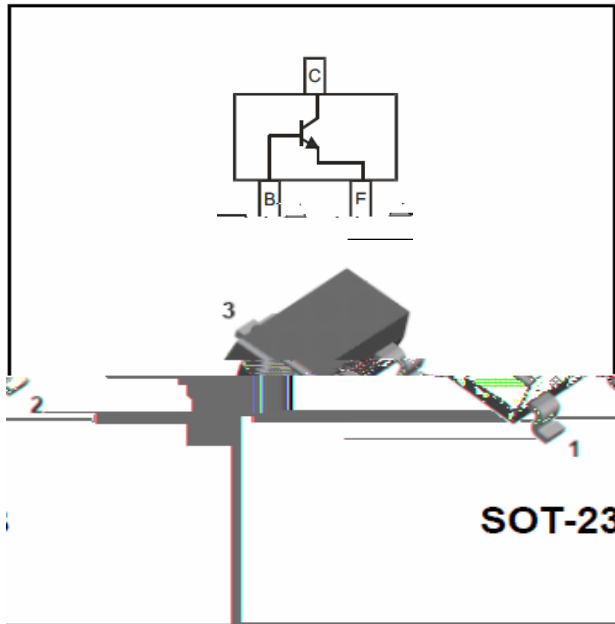


NPN General Purpose Amplifier



Features

- Low collector-emitter 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"
- Moisture Sensitivity Level 1
- Marking: 3D

Applications

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

■ Maximum Ratings (Ta=25 °C)

Item	Symbol	Unit	Conditions	Value
Collector-Emitter Voltage	V_{CE0}	V	$I_C=1mA, I_B=0$	—

	c	A		2
Collector Power Dissipation	P_C	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)

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

v(OHFWULFDO & KÄUD

, W H P

Q

0 D [

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&ROOHFWRU(PLWWHU 9ROWD
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9

&ROOHFWRU%DVH 9ROWDJH

(PLWWHU%DVH 9ROWDJH

,

&ROOHFWRUEDVH &XWRII &X

9

```
%DVHHPLWWHU &XWRII &XUU
```

9

' & & X U U H Q W * D L Q

$$))$$

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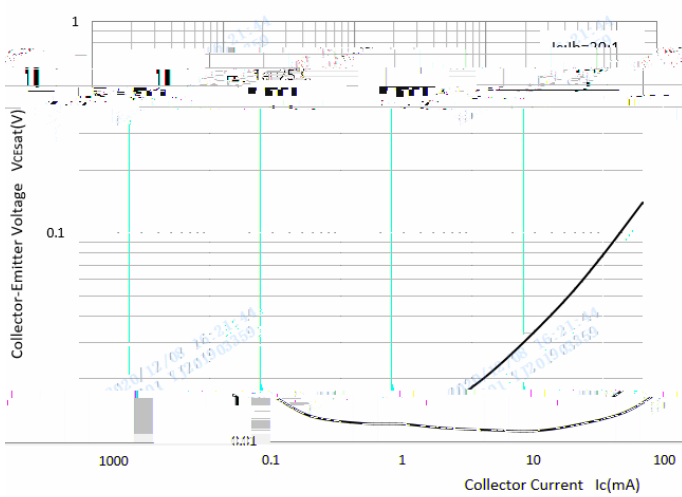
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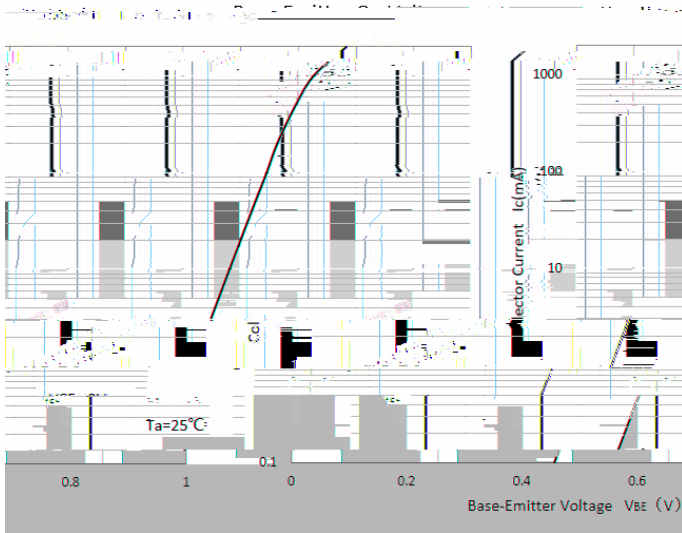
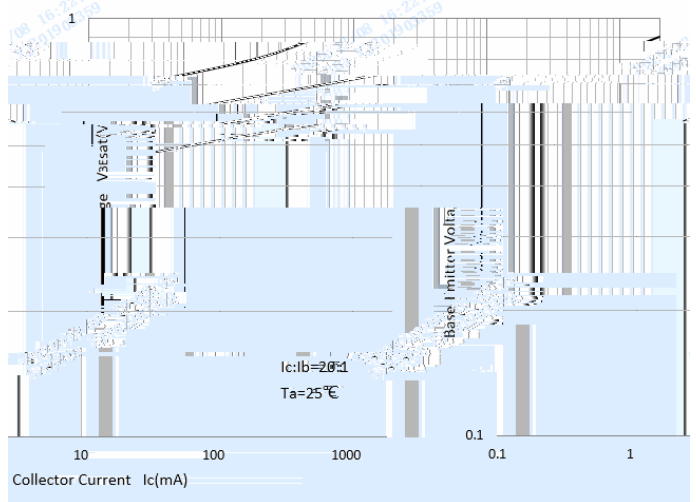
&ROOHFWRU(PLWWHU 6DWXUDWL8 H&ZPLQ 0€~\$,4 Â'#



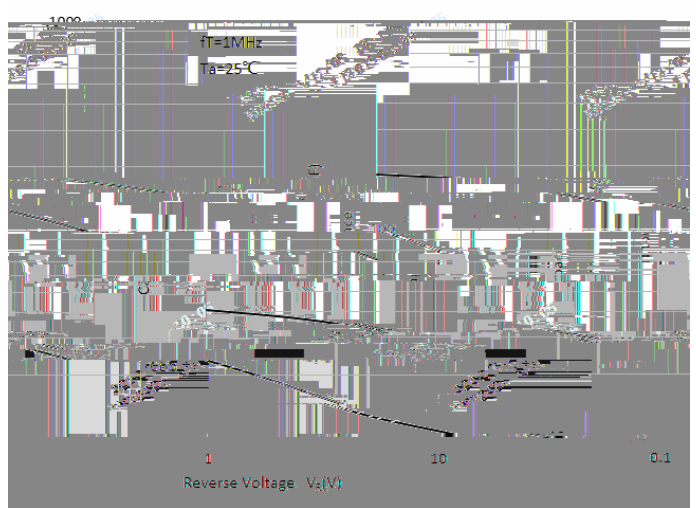
Collector-Emitter Saturation Voltage



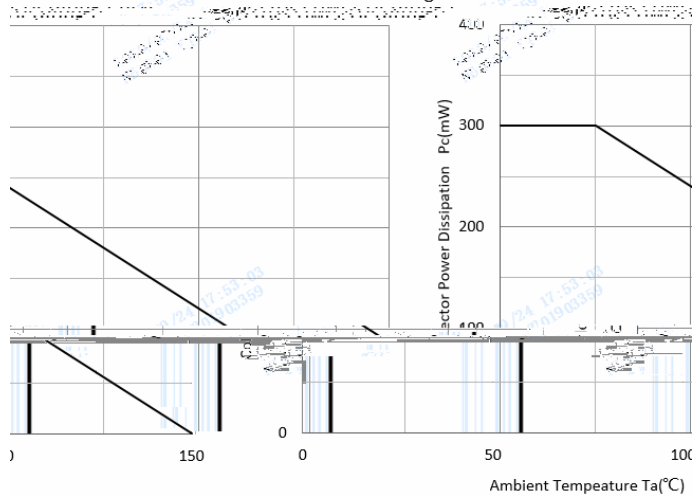
Base-Emitter Saturation Voltage



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

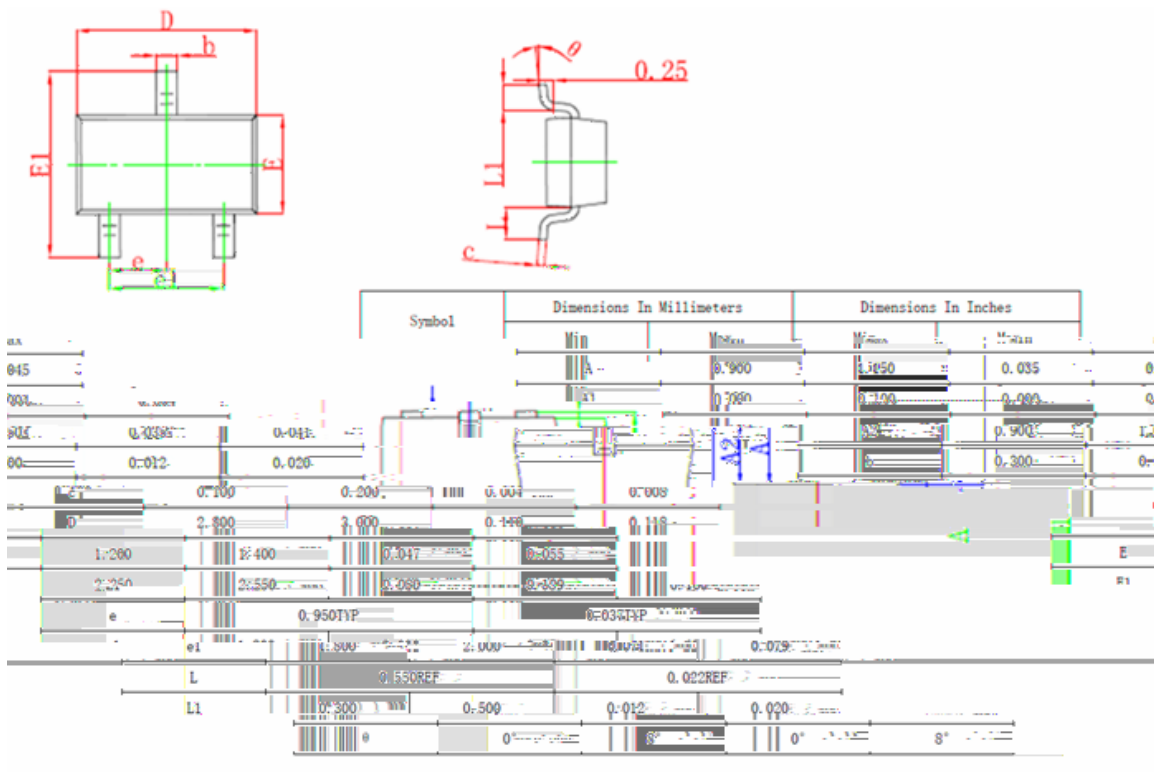


Collector Power Derating Curve

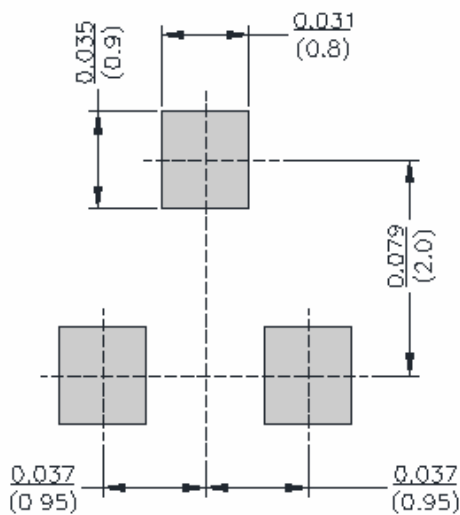




■SOT23 Package Outline Dimensions



■SOT23 Soldering Footprint





Disclaimer

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