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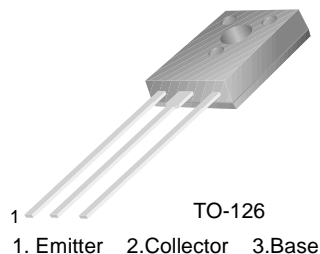
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KSE350

High Voltage General Purpose Applications

- High Collector-Emitter Breakdown Voltage
- Suitable for Transformer
- Complement to KSE340



PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_C=25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
V_{CBO}	Collector-Base Voltage	- 300	V
V_{CEO}	Collector-Emitter Voltage	- 300	V
V_{EBO}	Emitter-Base Voltage	- 5	V
I_C	Collector Current	- 500	mA
P_C	Collector Dissipation ($T_C=25^\circ\text{C}$)	20	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{STG}	Storage Temperature	- 65 ~ 150	$^\circ\text{C}$

Electrical Characteristics $T_C=25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
BV_{CEO}	Collector-Emitter Breakdown Voltage	$I_C = -1\text{mA}$, $I_B = 0$	-300		V
I_{CBO}	Collector Cut-off Current	$V_{CB} = -300\text{V}$, $I_E = 0$		-100	μA
I_{EBO}	Emitter Cut-off Current	$V_{BE} = -3\text{V}$, $I_C = 0$		-100	μA
h_{FE}	DC Current Gain	$V_{CE} = -10\text{V}$, $I_C = -50\text{mA}$	30	240	

Typical Characteristics

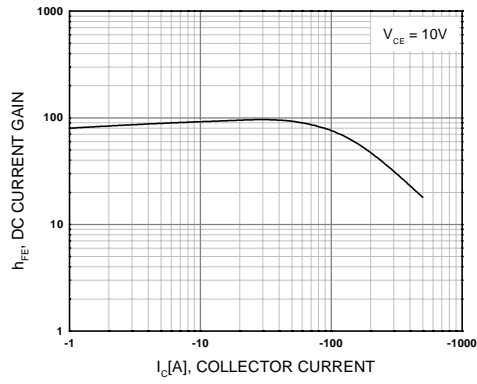


Figure 1. DC current Gain

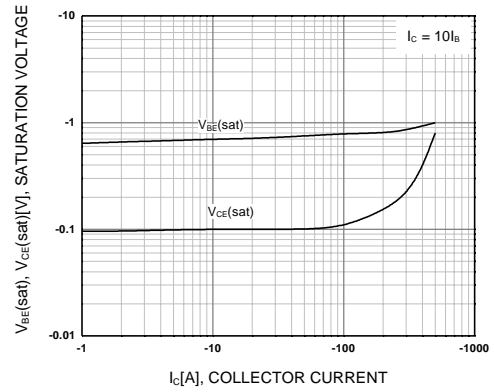


Figure 2. Base-Emitter Saturation Voltage
Collector-Emitter Saturation Voltage

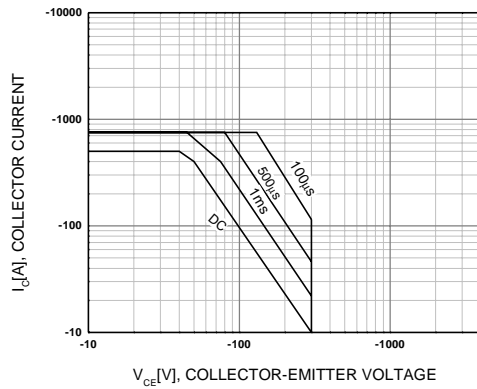


Figure 3. Safe Operating Area

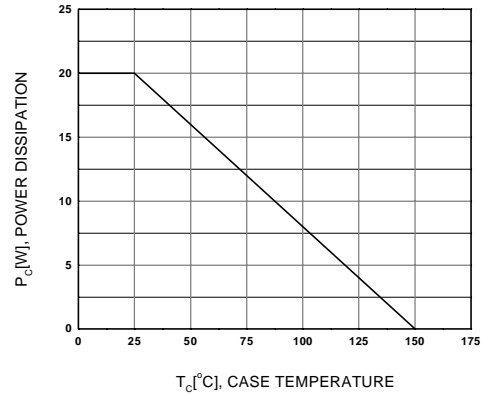


Figure 4. Power Derating

Technical drawing of the 2.28TYP connector showing front, side, and detail views with dimensions.

Front View Dimensions:

- Top mounting tab width: 3.90 ± 0.10
- Top mounting tab height: 8.00 ± 0.30
- Top mounting tab thickness: 14.20 MAX
- Top mounting tab hole diameter: $\phi 3.20 \pm 0.10$
- Top mounting tab hole position: 13.06 ± 0.30
- Top mounting tab hole diameter: 0.75 ± 0.10
- Top mounting tab hole position: 1.60 ± 0.10
- Top mounting tab hole diameter: 0.75 ± 0.10
- Top mounting tab hole position: 2.28 TYP [2.28 ± 0.20]

Side View Dimensions:

- Top mounting tab width: 3.25 ± 0.20
- Top mounting tab height: 11.00 ± 0.20
- Top mounting tab thickness: 16.10 ± 0.20
- Top mounting tab hole diameter: (1.00)
- Top mounting tab hole position: (0.50)
- Top mounting tab hole diameter: 1.75 ± 0.20
- Top mounting tab hole position: $0.50^{+0.10}_{-0.05}$

Detail View Dimensions:

- Top mounting tab width: 2.28 TYP [2.28 ± 0.20]

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