

Audio Frequency Power Amplifier

- 
1. Emitter 2. Collector 3. Base
- TO-18

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

$R_1 = 10 \text{ k}\Omega$
 $R_2 = 500 \Omega$

Electrical Characteristics

* Pulse Test: $PW \leq 350\mu s$, Duty Cycle $\leq 2\%$ Pulsed.

Classification	R	O	Y
h _{FE2}	2000 ~ 5000	4000 ~ 10000	8000 ~ 30000

Typical Characteristics

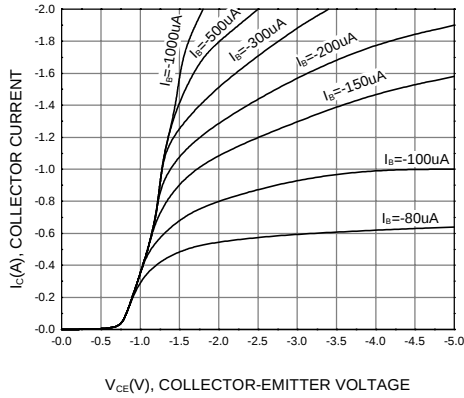


Figure 1. Static Characteristic

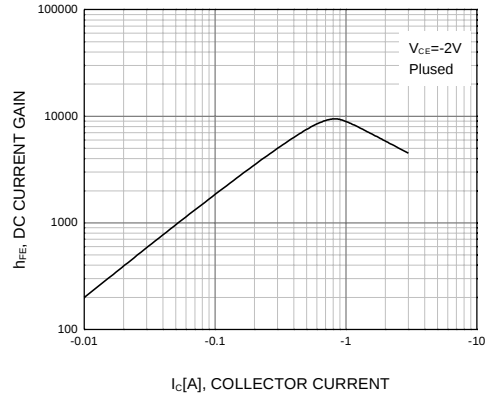


Figure 2. DC current Gain

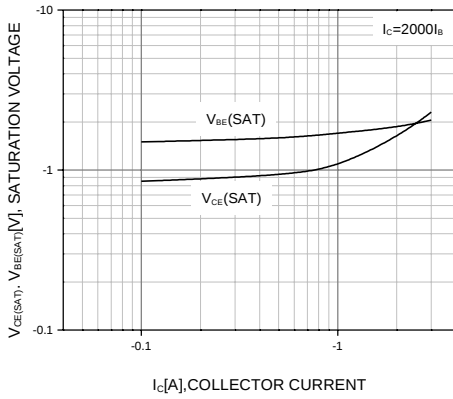


Figure 3. Base-Emitter Saturation Voltage
Collector-Emitter Saturation Voltage

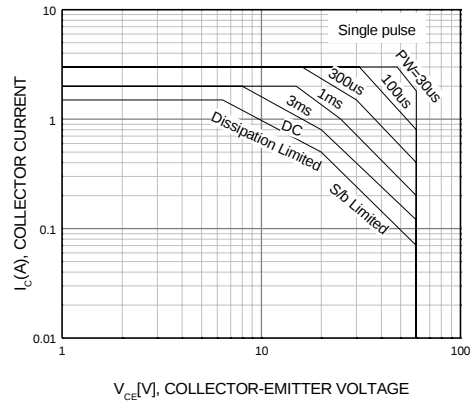


Figure 4. Safe Operating Area

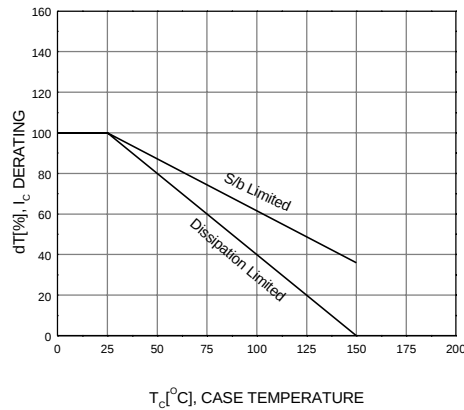


Figure 5. Derating Curve of Safe Operating Area

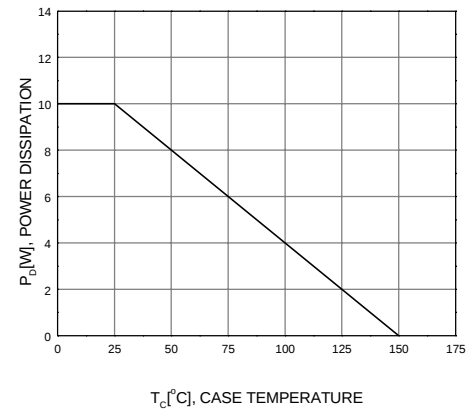
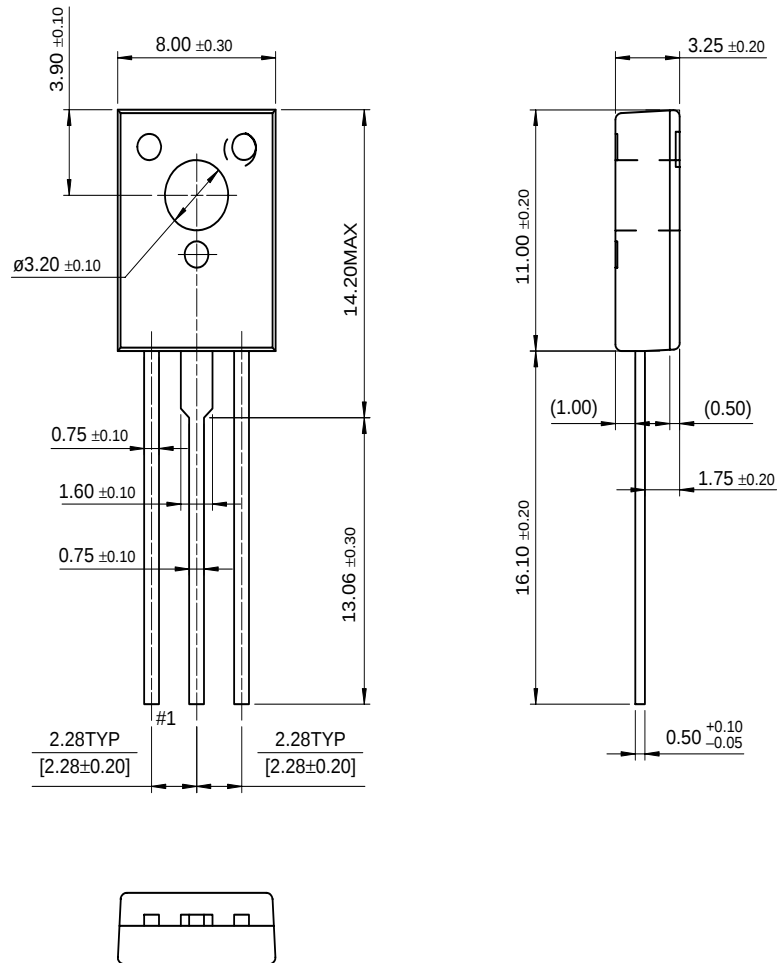


Figure 6. Power Derating

Package Dimensions

TO-126



Dimensions in Millimeters

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DOME™	HiSeC™	QFET™	SyncFET™
EcoSPARK™	ISOPLANAR™	QS™	TruTranslation™
E ² CMOS™	LittleFET™	QT Optoelectronics™	TinyLogic™
EnSigna™	MicroFET™	Quiet Series™	UHC™
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