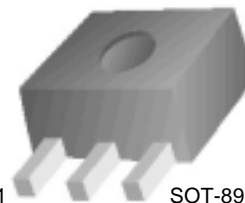


FJC1308

Audio Power Amplifier Applications

- Complement to FJC1963
- High Collector Current
- Low Collector-Emitter Saturation Voltage



1. Base 2. Collector 3. Emitter

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	-30	V
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current (DC)	-3	A
P_C	Power Dissipation($T_C=25^\circ\text{C}$)	0.5	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{STG}	Storage Temperature	- 55 ~ 150	$^\circ\text{C}$

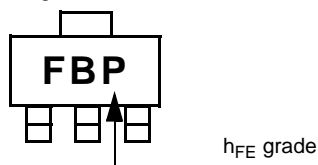
Electrical Characteristics $T_C=25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Units
BV_{CBO}	Collector-Base Breakdown Voltage	$I_C=-50\mu\text{A}, I_E=0$	-30			V
BV_{CEO}	Collector-Emitter Breakdown Voltage	$I_C=-1\text{mA}, I_B=0$	-30			V
BV_{EBO}	Emitter-Base Breakdown Voltage	$I_E=-50\mu\text{A}, I_C=0$	-6			V
I_{CEO}	Collector Cut-off Current	$V_{CE}=-20\text{V}, V_B=0$			-0.5	μA
I_{EBO}	Emitter Cut-off Current	$V_{EB}=-5\text{V}, I_C=0$			-0.5	μA
h_{FE}	DC Current Gain	$V_{CE}=-2\text{V}, I_C=-0.5\text{A}$	80		390	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C=-1.5, I_B=-0.15\text{A}$			-0.45	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C=-1.5, I_B=-0.15\text{A}$			-1.5	V

h_{FE} Classification

Classification	P	Q	R
h_{FE}	80 ~ 180	120 ~ 270	180 ~ 390

Marking



Typical Characteristics

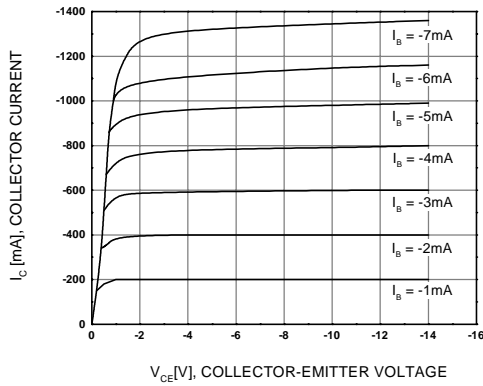


Figure 1. Static Characteristic

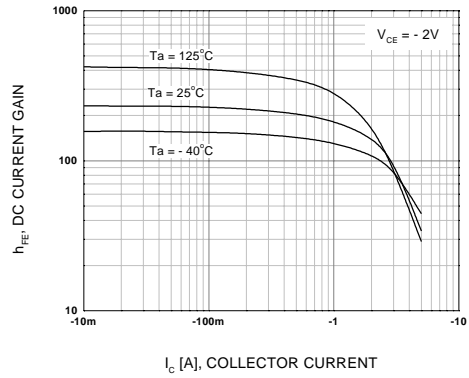


Figure 2. DC current Gain

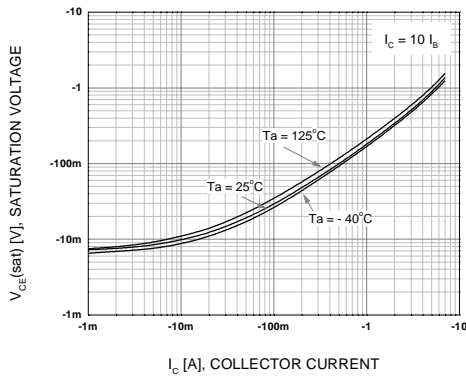


Figure 3. Collector-Emitter Saturation Voltage

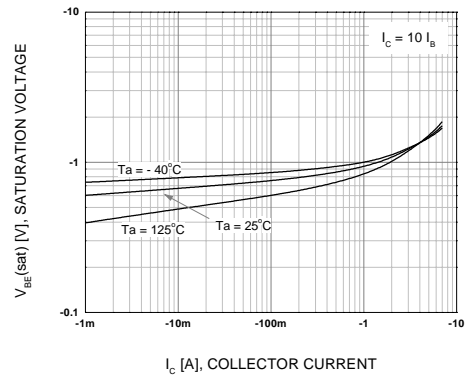


Figure 4. Base-Emitter Saturation Voltage

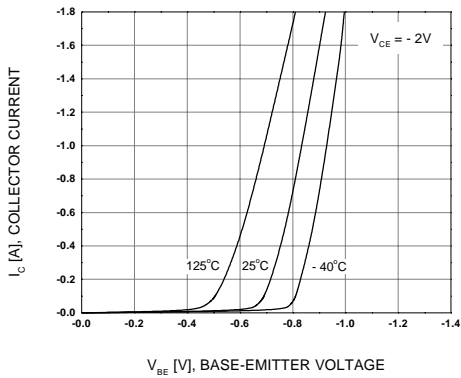


Figure 5. Base-Emitter On Voltage

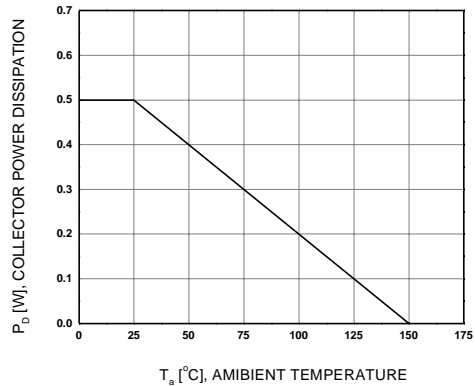
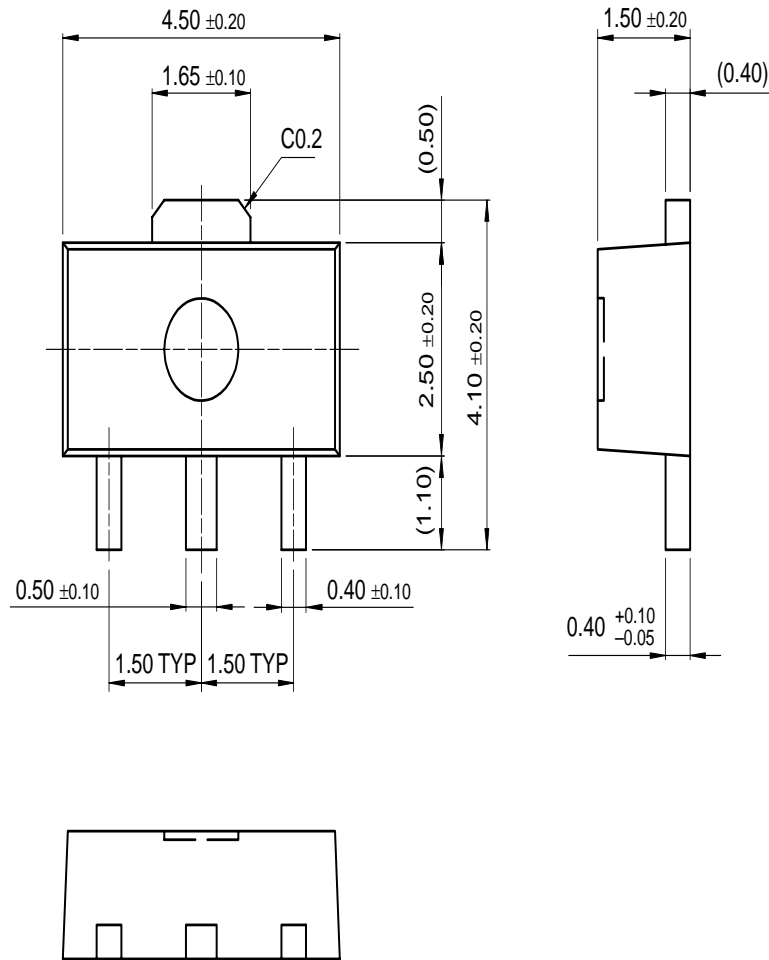


Figure 6. Power Derating

Package Demensions

FJC1308

SOT-89



Dimensions in Millimeters

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FJC1308

PNP Epitaxial Silicon Transistor

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Features

Audio Power Amplifier Applications

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[Product status/pricing/packaging](#)

Product	Product status	Pricing*	Package type	Leads	Packing method
FJC1308PTF	Full Production	\$0.208	SOT-89	3	TAPE REEL
FJC1308QTF	Full Production	\$0.208	SOT-89	3	TAPE REEL
FJC1308RTF	Full Production	\$0.208	SOT-89	3	TAPE REEL

* 1,000 piece Budgetary Pricing

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