July 2005

FJC1308 PNP Epitaxial Silicon Transistor

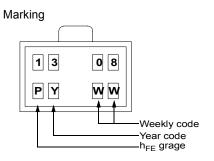


FJC1308 PNP Epitaxial Silicon Transistor

Audio Power Amplifier Applications

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





Absolute Maximum Ratings $T_{C} = 25^{\circ}C$ 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°C)	0.5	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

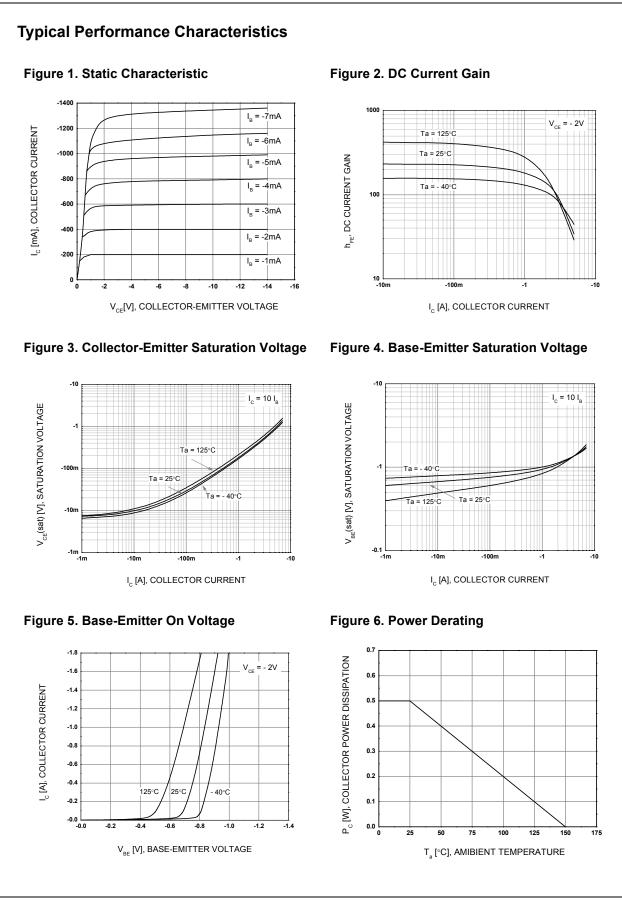
Electrical Characteristics T_C = 25°C unless otherwise noted

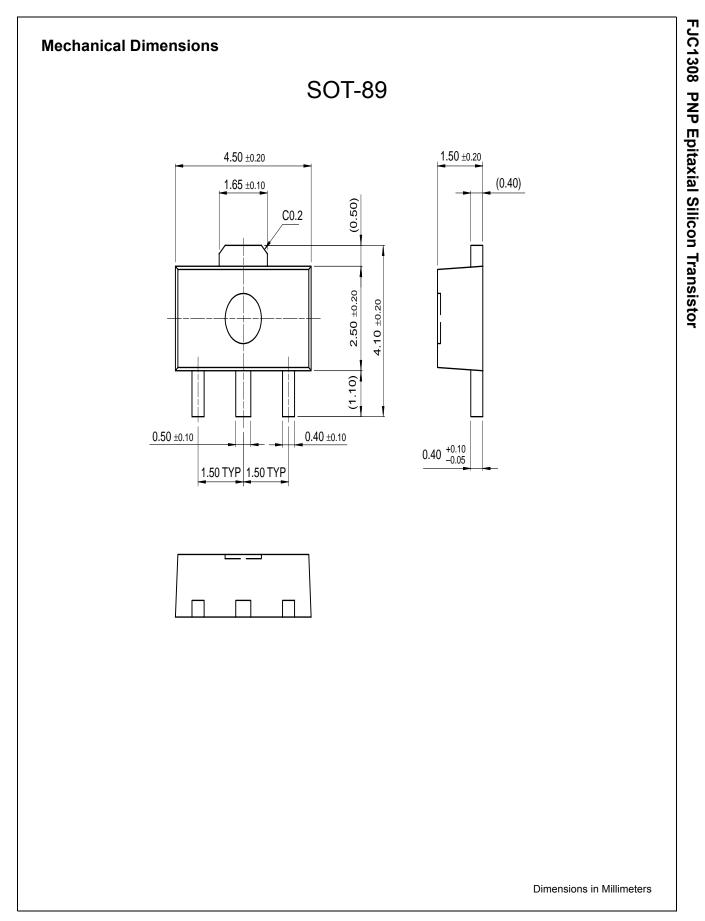
Symbol	Parameter	Test Condition	Min.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -50μA, I _E = 0	-30		V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA, I _B = 0	-30		V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -50μA, I _C = 0	-6		V
I _{CEO}	Collector Cut-off Current	V _{CE} = -20V, V _B = 0		-0.5	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} = -5V, I _C = 0		-0.5	μΑ
h _{FE}	DC Current Gain	V _{CE} = -2V, I _C = -0.5A	80	390	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =-1.5, I _B = -0.15A		-0.45	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = -1.5, I _B = -0.15A		-1.5	V

h _{FE} Classification			
Classification	Р	Q	R
h _{FE}	80 ~ 180	120 ~ 270	180 ~ 390

Package Marking and Ordering Information

Device Mark	ing	Device	Package	Reel Size	Tape Width	Quantity
1308		FJC1308	SOT-89	13"		4,000





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