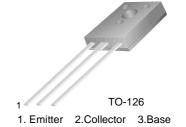


KSB794/795

Audio Frequency Power Amplifier

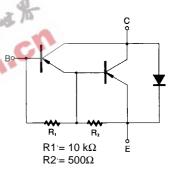
• Low Speed Switching Industrial Use



PNP Epitaxial Silicon Darlington Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

	O v		
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Volage		12 13
	: KSB794	- 60	√ ∨ °
	: KSB795	- 80	V
V _{CEO}	Collector-Emitter Volage		
	: KSB794	- 60	V
	: KSB795	- 80	V
V_{EBO}	Emitter-Base Voltage	- 8	V
I _C	Collector Current (DC)	- 1.5	Α
I _{CP}	*Collector Current (Pulse)	- 3	Α
I _B	Base Current (DC)	- 0.15	Α
P_{C}	Collector Dissipation (T _a =25°C)	1	W
P _C	Collector Dissipation (T _C =25°C)	10	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C



Electrical Characteristics $T_C=25$ °C unless otherwise noted

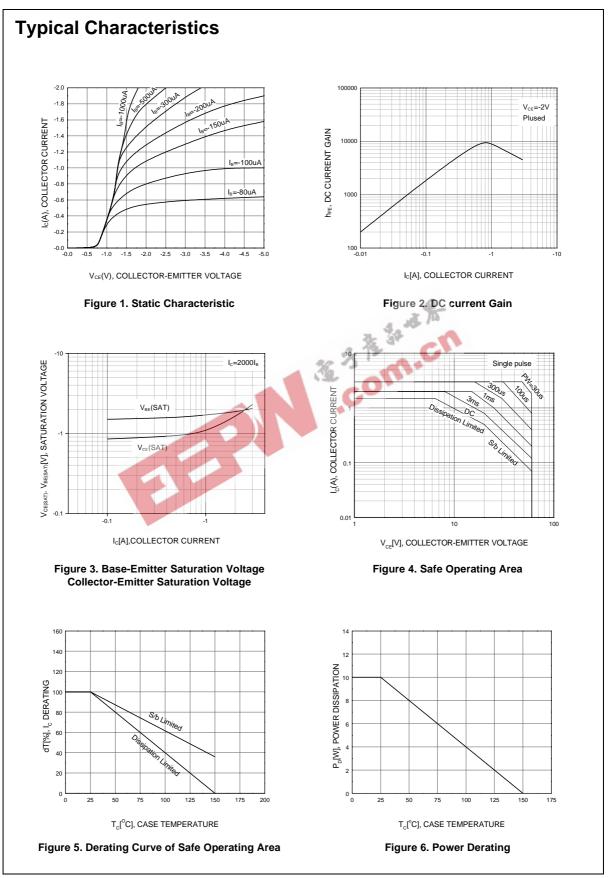
Symbol	Parameter	Test Condition	Min.	Max.	Units
I _{CBO}	Collector Cut-off Current	$V_{CB} = -60V, I_{E} = 0$		- 10	μΑ
I _{CER}	Collector Cut-off Current	$V_{CE} = -60V, R_{BE} = 51\Omega @ T_{C} = 125^{\circ}C$		- 1	mA
I _{CEX1}	Collector Cut-off Current	$V_{CE} = -60V, V_{BE} (off) = 1.5V$		- 10	μА
I _{CEX2}	Collector Cut-off Current	$V_{CE} = -60V, V_{BE} \text{ (off)} = 1.5V$ @ $T_{C} = 125^{\circ}\text{C}$		-1	mA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$		- 1	mA
h _{FE1}	* DC Current Gain	$V_{CE} = -2V, I_{C} = -0.5A$	1000		
h _{FE2}		$V_{CE} = -2V, I_{C} = -1A$	2000	30000	
V _{CE} (sat)	* Collector-Emitter Saturation Voltage	I _C = - 1A, I _B = - 1mA		-1.5	V
V _{BE} (sat)	* Base-Emitter Saturation Voltage	$I_C = -1A, I_B = -1mA$		- 2	V

^{*} Pulse Test: PW≤350μs, Duty Cycle≤2% Pulsed.

h_{FE} Classificntion

Classification	R	0	Y
h _{FE2}	2000 ~ 5000	4000 ~ 10000	8000 ~ 30000

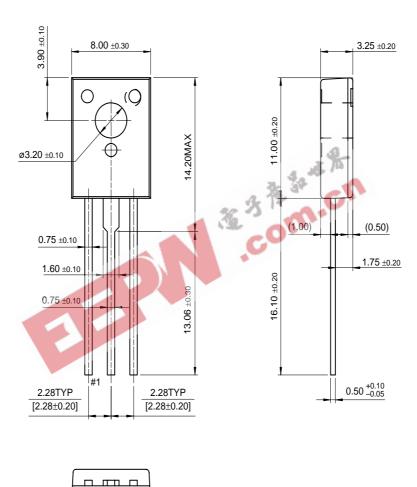
^{*} PW≤300μs, Duty Cycle≤10%



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Package Demensions

TO-126



Dimensions in Millimeters

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Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.

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