

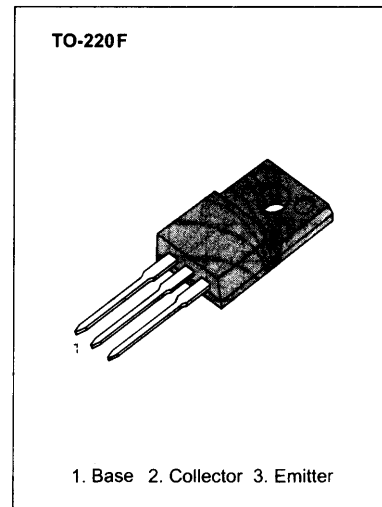
# PNP Transistor KSA1304 datasheet

## POWER AMPLIFIER APPLICATIONS

- Complement to KSC3296

## ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Collector Base Voltage	V <sub>CB0</sub>	-150	V
Collector Emitter Voltage	V <sub>CE0</sub>	-150	V
Emitter Base Voltage	V <sub>EB0</sub>	-5	V
Collector Current	I <sub>C</sub>	-1.5	A
Base Current	I <sub>B</sub>	-0.5	A
Collector Dissipation	P <sub>C</sub>	20	W
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-55~150	°C



## ELECTRICAL CHARACTERISTICS (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	I <sub>CB0</sub>	V <sub>CB</sub> = -120V, I <sub>E</sub> = 0			-10	μA
Emitter Cutoff Current	I <sub>EB0</sub>	V <sub>EB</sub> = -5V, I <sub>C</sub> = 0			-10	μA
DC Current Gain	h <sub>FE</sub>	V <sub>CE</sub> = -10V, I <sub>C</sub> = -500mA	40	75	140	
Collector Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = -500mA, I <sub>B</sub> = -50mA			-1.5	V
Base Emitter On Voltage	V <sub>BE(on)</sub>	V <sub>CE</sub> = -10V, I <sub>C</sub> = -500mA	-0.65	-0.75	-0.85	V
Current Gain Bandwidth Product	f <sub>T</sub>	V <sub>CE</sub> = -10V, I <sub>C</sub> = -500mA		4		MHz
Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> = -10V, f = 1MHz		55		pF

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