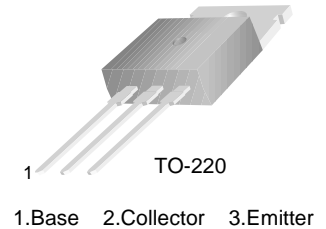


**■■ APPLICATION:** Audio Frequency Power Amplifier

**■■ MAXIMUM RATINGS** (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V <sub>CB0</sub>	-40	V
Collector-base voltage	V <sub>CEO</sub>	-30	V
Emitter-base voltage	V <sub>EBO</sub>	-5	V
Collector current	I <sub>C</sub>	-3	A
Collector Power Dissipation	P <sub>C</sub>	1~10	W
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55~150	°C


**■■ ELECTRICAL CHARACTERISTICS** (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h <sub>FE</sub>	60		400		V <sub>CE</sub> = -2V, I <sub>C</sub> = -1A
Collector Cut-off Current	I <sub>CBO</sub>			-1	μA	V <sub>CB</sub> = -30V, I <sub>E</sub> =0
Emitter Cut-off Current	I <sub>EBO</sub>			-1	μA	V <sub>EB</sub> = -3V, I <sub>C</sub> =0
Collector-Base Breakdown Voltage	BV <sub>CB0</sub>	-40			V	I <sub>C</sub> = -1mA, I <sub>E</sub> =0
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	-30			V	I <sub>C</sub> = -10mA, I <sub>B</sub> =0
Emitter-Base Breakdown Voltage	BV <sub>EBO</sub>	-5			V	I <sub>E</sub> = -1mA, I <sub>C</sub> =0
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>		-0.3	-0.5	V	I <sub>C</sub> = -2A, I <sub>B</sub> = -0.2A
Base-Emitter Saturation Voltage	V <sub>BE(sat)</sub>		-1.0	-2.0	V	I <sub>C</sub> = -2A, I <sub>B</sub> = -0.2A
Gain bandwidth product	f <sub>T</sub>	50	80		MHz	I <sub>C</sub> = -100mA, V <sub>CE</sub> = -5V
Common Base Output Capacitance	C <sub>ob</sub>		55		PF	V <sub>CB</sub> = -10V, I <sub>E</sub> =0, f= 1MHz

**■■ hFE Classification And Marking**

Classification	R	Q	P	E
h <sub>FE</sub>	60~120	100~200	160~320	200~400