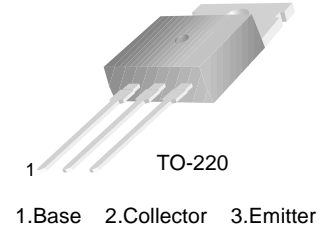


**■■ APPLICATION:** Audio Frequency Power Amplifier.

**■■ MAXIMUM RATINGS** ( $T_a=25^\circ\text{C}$ )

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	$V_{CB0}$	-35	V
Collector-emitter voltage	$V_{CEO}$	-35	V
Emitter-base voltage	$V_{EBO}$	-5	V
Collector current	$I_C$	-1.5	A
Collector Power Dissipation	$P_C$	1.75 / 10	W
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55~150	$^\circ\text{C}$
Resistance	$R_{rj}$	12.5	$^\circ\text{C}/\text{W}$


**■■ ELECTRICAL CHARACTERISTICS**

 ( $T_a=25^\circ\text{C}$ )

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	$h_{FE}$	40		320		$V_{CE} = -2\text{V}, I_C = -1\text{A}$
Collector Cut-off Current	$I_{CBO}$			-0.1	mA	$V_{CB} = -20\text{V}, I_E = 0$
Emitter Cut-off Current	$I_{EBO}$			-1.0	mA	$V_{EB} = -4\text{V}, I_C = 0$
Collector-Base Breakdown Voltage	$BV_{CB0}$	-35			V	$I_C = -1\text{mA}, I_E = 0$
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	-35			V	$I_C = -10\text{mA}, I_B = 0$
Emitter-Base Breakdown Voltage	$BV_{EBO}$	-5			V	$I_E = -1\text{mA}, I_C = 0$
Base-Emitter Voltage	$V_{BE}$			-1.5	V	$V_{CE} = -5\text{V}, I_C = -1\text{A}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-1.0	V	$I_C = -1.5\text{A}, I_B = -0.15\text{A}$
Gain bandwidth product	$f_T$	3	8		MHz	$I_C = -0.5\text{A}, V_{CE} = -5\text{V}$

**■■  $h_{FE}$  Classification And Marking**

Classification	C	D	E	F
$h_{FE}$	40~80	60~120	100~200	160~320