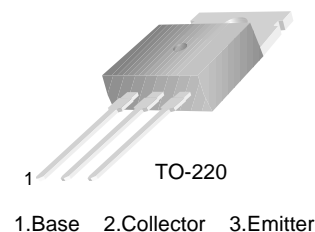


■■ APPLICATION: Low Frequency Power Amplifier.
 Power Regulator

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

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CB0}	-80	V
Collector-emitter voltage	V_{CEO}	-55	V
Emitter-base voltage	V_{EBO}	-5	V
Collector current	I_C	-3.0	A
Collector Power Dissipation	P_C	25	W
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 55~150	$^{\circ}\text{C}$


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

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE}	40		240		$V_{CE} = -5\text{V}, I_C = -0.5\text{A}$
Collector Cut-off Current	I_{CB0}			-50	μA	$V_{CB} = -50\text{V}, I_E = 0$
Emitter Cut-off Current	I_{EBO}			-10	μA	$V_{EB} = -3\text{V}, I_C = 0$
Collector-Base Breakdown Voltage	BV_{CB0}	-80			V	$I_C = -0.5\text{mA}, I_E = 0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	-55			V	$I_C = -10\text{mA}, I_B = 0$
Emitter-Base Breakdown Voltage	BV_{EBO}	-5			V	$I_E = -0.5\text{mA}, I_C = 0$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		-0.15	-0.5	V	$I_C = -1\text{A}, I_B = -0.1\text{A}$

■■ h_{FE} Classification And Marking

Classification	R	O	Y
h_{FE}	40~80	70~140	120~240