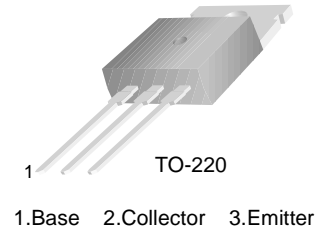


**■■ APPLICATION:** General power amplifier.

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

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	$V_{CB0}$	-60	V
Collector-base voltage	$V_{CEO}$	-60	V
Emitter-base voltage	$V_{EBO}$	-6	V
Collector current	$I_c$	-3	A
Collector Power Dissipation	$P_c$	2~20	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	$h_{FE}$	70		280		$V_{CE} = -5V, I_c = -500mA$
Collector Cut-off Current	$I_{CBO}$			-100	$\mu A$	$V_{CB} = -40V, I_E = 0$
Emitter Cut-off Current	$I_{EBO}$			-100	$\mu A$	$V_{EB} = -4V, I_c = 0$
Collector-Base Breakdown Voltage	$BV_{CB0}$	-60			V	$I_c = -1mA, I_E = 0$
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	-60			V	$I_c = -5mA, I_B = 0$
Emitter-Base Breakdown Voltage	$BV_{EBO}$	-6			V	$I_E = -1mA, I_c = 0$
Base-Emitter Voltage	$V_{BE}$		-0.8	-1	V	$V_{CE} = -5V, I_c = -500mA$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-1	V	$I_c = -3A, I_B = -300mA$
Gain bandwidth product	$f_T$		100		MHz	$I_c = -500mA, V_{CE} = -5V$
Common Base Output Capacitance	$C_{ob}$		40		PF	$V_{CB} = -10V, I_E = 0, f = 1MHz$

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

Mark

Classification	Q	R	S
$h_{FE}$	70~140	100~200	140~280