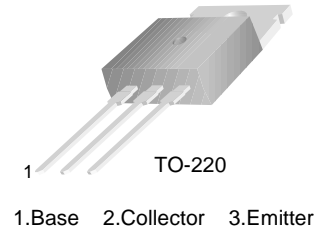


**APPLICATION: AMPLIFIER APPLICATION,  
 SWITCHING APPLICATION.**

**MAXIMUM RATINGS (Ta=25°C)**

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	$V_{CBO}$	-60	V
Collector-emitter voltage	$V_{CEO}$	-60	V
Emitter-base voltage	$V_{EBO}$	-5	V
Collector current	$I_C$	-6	A
Base current	$I_B$	-3	A
Collector Power Dissipation (Ta=25°C)	$P_C$	2	W
Collector Power Dissipation (Tc=25°C)	$P_C$	65	W
Junction Temperature	$T_J$	150	°C
Storage Temperature Range	$T_{stg}$	-65~150	°C



**ELECTRICAL CHARACTERISTICS**

(Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	$h_{FE1}$	15		75		$V_{CE} = -4V, I_C = -3A$
	$h_{FE2}$	30				$V_{CE} = -4V, I_C = -0.3A$
Collector-Emitter Cut-off Current	$I_{CEO}$			-0.7	mA	$V_{CE} = -30V, I_E = 0$
Emitter-Base Cut-off Current	$I_{EBO}$			-1	mA	$V_{EB} = -5V, I_C = 0$
Collector-Base Breakdown Voltage	$BV_{CBO}$	-60			V	$I_C = -1mA, I_E = 0$
Base-Emitter on Voltage	$BV_{CEO}$	-60			V	$I_C = -30mA, I_B = 0$
Emitter-Base Breakdown Voltage	$BV_{EBO}$	-5			V	$I_E = -1mA, I_C = 0$
Base-Emitter on Voltage	$V_{BE}$			-2	V	$V_{CE} = -4V, I_C = -6A$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-1.5	V	$I_C = -6A, I_B = -0.6A$
Gain bandwidth product	$f_T$	3			MHZ	$V_{CE} = -10V, I_C = -0.5A, f = 1MHz$

**hFE Classification And Marking**

Print Mark

Classification

$h_{FE}$

15~75