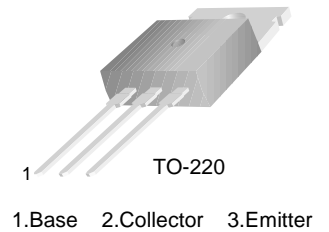


■ ■ APPLICATION: AMPLIFIER APPLICATION,
SWITCHING APPLICATION.

■ ■ 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 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

■ ■ h_{FE} Classification And Marking

Print Mark

Classification

h_{FE}

15~75