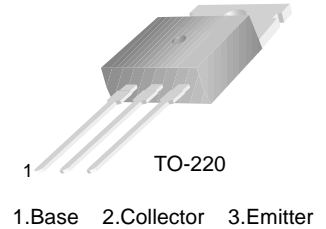


■■ APPLICATION: Power Amplifier Applications.

Vertical Output Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CB0}	150	V
Collector-emitter voltage	V _{CEO}	150	V
Emitter-base voltage	V _{EBO}	5	V
Collector current	I _C	1.5	A
Base current	I _B	0.5	A
Collector Power Dissipation (Ta=25°C)	P _C	1.5	W
Collector Power Dissipation (Tc=25°C)	P _C	25	W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{stg}	-55~150	°C



■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h _{FE}	40	75	140		V _{CE} = 10V, I _C = 500mA
Collector Cut-off Current	I _{CB0}			10	μA	V _{CB} = 120V, I _E =0
Emitter Cut-off Current	I _{EBO}			10	μA	V _{EB} =5V, I _C =0
Base-Emitter Voltage	V _{BE}	0.65	0.75	0.85	V	V _{CE} =10V, I _C = 500mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			1.5	V	I _C = 500mA, I _B =50mA
Gain bandwidth product	f _T		4		MHz	V _{CE} =10V, I _C = 500mA
Common Base Output Capacitance	C _{ob}		35		PF	V _{CB} =10 V, I _E =0, f=1 MHz

■■ h_{FE} Classification And Marking

Mark C2073

Classification

h_{FE} 40~140