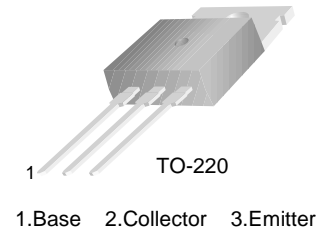


■■ APPLICATION: Low Frequency Power Amplifier.

■■ 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}	-7	V
Collector current	I _C	-3	A
Collector Power Dissipation (Ta=25°C)	P _C	1.5~30	W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{stg}	- 55~150	°C
Resistance	R _{rj}	4.17	°C/W


■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h _{FE}	60		200		V _{CE} = -5V, I _C = -0.5A
Collector Cut-off Current	I _{CBO}			-0.1	mA	V _{CB} = -60V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	mA	V _{EB} = -7V, I _C =0
Collector-Base Breakdown Voltage	BV _{CBO}	-60			V	I _C = -1mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-60			V	I _C = -50mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	-7			V	I _E = -1mA, I _C =0
Base-Emitter Voltage	V _{BE}		-0.7	-1	V	V _{CE} = -5V, I _C = -0.5A
Collector-Emitter Saturation Voltage	V _{CE(sat)}		-0.5	-1	V	I _C = -3A, I _B = -0.3A
Gain bandwidth product	f _T		9		MHz	I _C = -0.5A, V _{CE} = -5V
Common Base Output Capacitance	C _{ob}		150		PF	V _{CB} = -10V, I _E = 0, f=1MHz

■■ hFE Classification And Marking

Classification	O	Y
h _{FE}	60 ~ 120	100 ~ 200