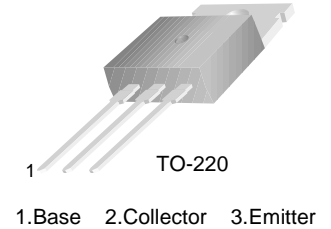


■■ APPLICATION: Low Noise Audio Amplifier Applications.

■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CBO}	-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 _{CBO}			-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

■■ hFE Classification And Marking

Mark	A940
Classification	
h _{FE}	40~140