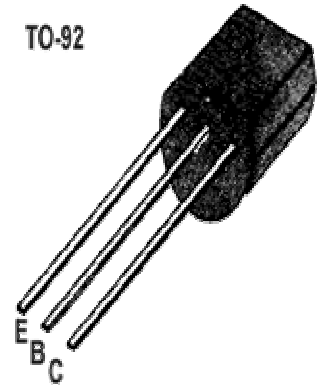


APPLICATION: AMPLIFIER APPLICATIONSWITCH APPLICATION.

MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CBO}	-180	V
Collector-emitter voltage	V _{CEO}	-150	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current	I _C	-600	mA
Collector Power Dissipation	P _C	625	mW
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}	80				V _{CE} = -5 V, I _C = -10mA
Collector Cut-off Current	I _{CBO}			-0.1	μA	V _{CB} = -120V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	μA	V _{EB} = -3V, I _C =0
Collector-Base Breakdown Voltage	BV _{CBO}	-180			V	I _C = -0.1mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-150			V	I _C = -1mA, I _B =0
Emitter-Base Breakdown Voltage	BV _{EBO}	-5			V	I _E = -0.1mA, I _C =0
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C = -50mA, I _B = -5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1	V	I _C = -50mA, I _B = -5mA
Gain bandwidth product	f _T	100			MHz	I _C = -10mA, V _{CE} = -10V
Common Base Output Capacitance	C _{ob}			6	PF	V _{CB} = -10 V, I _E =0, f= 1 MHz
Noise Figure	N _F			8	dB	V _{CE} = -5V, I _C = -250mA, f= 10Hz~15.7KHz, R _g =1KΩ

 h_{FE} Classification

Classification

h _{FE}	80~150	150~250
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