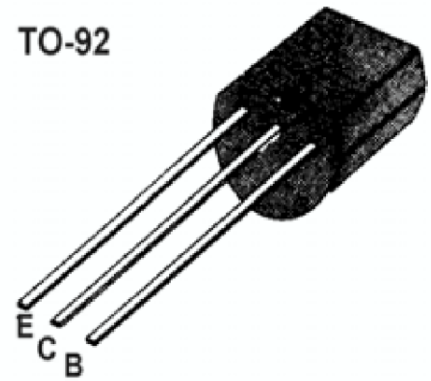


APPLICATION: AMPLIFIER APPLICATIONSWITCH APPLICATION.

MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CBO}	-30	V
Collector-emitter voltage	V _{CEO}	-25	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current	I _C	-1.0	A
Collector Power Dissipation	P _C	800	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}	70		400		V _{CE} = -1V, I _C = -100mA
Collector Cut-off Current	I _{CBO}			-0.1	μA	V _{CB} = -30V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	μA	V _{EB} = -4V, I _C =0
Collector-Base Breakdown Voltage	BV _{CBO}	-30			V	I _C = -0.1mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	-25			V	I _C = -10mA, 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 = -1A, I _B = -0.1A
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.2	V	I _C = -1A, I _B = -0.1A
Gain bandwidth product	f _T		110		MHz	I _C = -10mA, V _{CE} = -6V
Common Base Output Capacitance	C _{ob}		18		PF	V _{CB} = -6V, I _E =0, f=1MHz

h_{FE} Classification And Marking

Classification	O	Y	G
h _{FE}	70~140	120~240	200~400