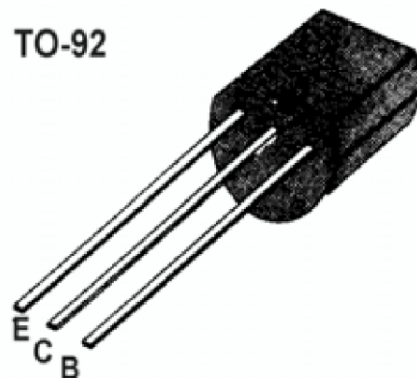


APPLICATION: Driver and Output Stage of Audio Frequency Application.

MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V _{CB0}	40	V
Collector-emitter voltage	V _{CEO}	30	V
Emitter-base voltage	V _{EBO}	5	V
Collector current	I _C	1	A
Collector Power Dissipation	P _C	800	mW
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{stg}	- 55~150	°C

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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 _{CB0}	40			V	I _C = 0.1mA, I _E =0
Collector-Emitter Breakdown Voltage	BV _{CEO}	30			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 = 0.1mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			1.2	V	I _C = 1A, I _B = 0.1A
Gain bandwidth product	f _T		130		MHz	I _C = 10mA, V _{CE} = 6V
Common Base Output Capacitance	C _{ob}		16		PF	V _{CB} = 6V, I _E =0, f = 1MHz

h_{FE} Classification

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